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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY:		STATION NAME		LONGITUDE		STATION ELEV. (FT.)		CALL SIGN		WMO NUMBER	
03866		Meridian, Mississippi		32° 33' N		88° 34' W		317		KNMM 72234	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, on east bulkhead	Navy	1963	1976	32° 33' N	88° 34' W	288	Mercurial	24
1a.	Weather service office in GMQ-14 console	"	1965		"	"	290	Aneroid	24

SURFACE WIND EQUIPMENT INFORMATION					REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed 1961	805 feet east of centerline, 500 feet south approach end 18L	UMQ-5C	RD-108B	15'	1. Barograph 2. Auto met. station (AN-GNQ-29) 3. Cloud height set (AN/GMQ-13) 4. Transmissometer (AN/GMQ-10C) 5. Radar (AN/FPS-106) 6. Cloud height set (AN/GMQ-13) 7. RVR (ID 1346/GMQ-10)
2.	Relocated 1976	200 feet west of centerline 500 feet north approach end 36L	UMQ-5	RD-108	13'	
3.	1977	300 feet south of centerline 2100 feet west of approach end 27	UMQ-5	GMQ-29A	13'	



## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
  - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
  - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
  - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
  - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

**DESCRIPTION:** Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

**COMMENT:** All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSA), Asheville, N. C. welcomes your comment and criticisms.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
  2. By month and annual, all hours and years combined, by wind direction.
  3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

**NOTE:** The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

JAN  
MONTH

73-77  
YEARS

03066  
STATION

03066  
STATION

03066  
STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00	.6	12.3	.6	1.9		14.8	23.9	5.2			28.4	155
	03		11.6	.6	1.3		13.5	27.7	3.9			30.3	155
	06	.6	12.3		1.3		13.5	34.8	2.6			36.1	155
	09	.6	12.3		1.3		13.5	37.4	23.2			51.6	155
	12	1.3	11.0		1.3		12.3	18.1	20.6			35.5	155
	15	1.3	15.5	.6	.6		16.8	14.8	16.8			31.0	155
	18		9.7	.6			10.3	16.1	14.8			29.7	155
	21	1.3	12.9	.6	.6		14.2	18.7	9.7			27.7	155
TOTALS		.7	12.2	.4	1.0		13.6	23.9	12.1			33.8	1240



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

FEB  
MONTH

73-77  
YEARS

03866 MERIDIAN, MISSISSIPPI  
STATION NAME

03866  
STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00	1.4	6.4				6.4	12.1	7.8		.7	18.4	141
	03	.7	7.1				7.1	16.3	5.7		1.4	20.6	141
	06		8.5				8.5	24.8	12.1		1.4	34.8	141
	09	.7	9.2				9.2	24.1	28.4		1.4	45.4	141
	12	.7	9.2				9.2	9.9	23.4		1.4	31.2	141
	15	.7	7.1				7.1	7.1	18.4		1.4	25.5	141
	18	2.1	6.4				6.4	9.9	20.6		1.4	29.8	141
	21	2.8	6.4				6.4	11.3	13.5		1.4	24.8	141
TOTALS		1.1	7.5				7.5	14.4	16.2		1.3	28.8	1128

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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MAR  
MONTH

YEARS

73-77

STATION NAME  
MERIDIAN, MISSISSIPPI

STATION  
03866

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00	3.9	11.0				11.0	20.6	12.9		.6	30.3	155
	03	1.9	12.9				12.9	29.0	9.7		.6	34.2	155
	06	.6	11.0				11.0	45.8	14.8			50.3	155
	09	1.9	12.3				12.3	27.1	23.9		.6	44.5	155
	12	1.9	7.1				7.1	7.7	23.2		1.9	29.7	155
	15	1.3	9.0				9.0	6.5	20.6		1.3	27.1	155
	18	3.2	9.7				9.7	9.7	22.6		1.3	31.0	155
	21	5.2	12.9				12.9	16.8	15.5		1.3	28.4	155
TOTALS		2.5	10.7				10.7	20.4	17.9		1.0	34.4	1240



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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APR  
MONTH

YEARS

73-77

STATION NAME  
MERIDIAN, MISSISSIPPI

STATION  
03866

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00	1.3	6.7				6.7	15.3	8.7			20.0	150
	03	2.0	6.0				6.0	26.7	7.3			29.3	150
	06	.7	10.7				10.7	58.0	15.3			62.7	150
	09	2.0	10.7				10.7	18.0	25.3			40.7	150
	12	2.7	10.0				10.0	9.3	20.7			28.7	150
	15	2.7	8.7				8.7	5.3	18.0			22.7	150
	18	2.0	6.0				6.0	6.0	22.0			26.7	150
	21	1.3	8.0				8.0	10.7	16.7			24.0	150
TOTALS		1.8	8.4				8.4	18.7	16.8			31.9	1200



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

03866 STATION

MERIDIAN, MISSISSIPPI

73-77

YEARS

STATION NAME

MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	.6	7.7				7.7	35.5	32.9			53.5	155
	03	2.6	6.5				6.5	51.6	32.3			64.5	155
	06	1.3	7.7				7.7	80.0	40.6			81.3	155
	09	1.9	7.1				7.1	11.6	52.9			61.3	155
	12	.6	7.1				7.1	6.5	41.9			47.1	155
	15	6.5	7.1				7.1	5.2	41.9			45.2	155
	18	4.5	3.2				3.2	3.9	40.6			43.9	155
	21	3.2	5.8				5.8	12.3	40.6			47.7	155
TOTALS		2.7	6.5				6.5	25.8	40.5			55.6	1240

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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JUN  
MONTH

73-77  
YEARS

03866 MERIDIAN, MISSISSIPPI  
STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	1.3	1.3				1.3	26.0	34.7			47.3	150
	03		.7				.7	42.7	35.3			58.0	150
	06	1.3	.7				.7	72.0	52.7			86.7	150
	09		2.0				2.0	4.0	56.7			59.3	150
	12	4.0	2.0				2.0	1.3	38.7			40.0	150
	15	4.7	5.3				5.3	2.7	36.7			38.7	150
	18	.7	6.0				6.0	3.3	38.7			40.7	150
	21	2.0	4.0				4.0	13.3	42.0			46.7	150
TOTALS		1.5	2.8				2.8	20.7	41.9			52.2	1200



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

JUL  
MONTH

73-77

03866 MERIDIAN, MISSISSIPPI  
STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JUL	00	.6	2.6				2.6	40.6	48.4			63.2	155
	03	.6	1.3				1.3	64.5	47.1			78.7	155
	06	2.6	4.5				4.5	83.9	61.3			92.9	155
	09		3.9				3.9	7.1	70.3			74.2	155
	12	1.3	5.8				5.8	2.6	61.3			62.6	155
	15	11.6	11.6				11.6	3.2	58.1			60.0	155
	18	8.4	10.3				10.3	5.8	55.5			58.7	155
	21	3.9	7.7				7.7	23.9	53.5			61.3	155
TOTALS		3.6	6.0				6.0	29.0	56.9			69.0	1240

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# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

03866 STATION

MERIDIAN, MISSISSIPPI

73-77

AUG MONTH

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00		1.3				1.3	41.3	51.6			62.6	155
	03		.6				.6	65.2	50.3			78.1	155
	06	.6	2.6				2.6	91.6	56.1			94.2	155
	09		1.9				1.9	11.6	68.4			73.5	155
	12	.6	3.9				3.9	.6	54.8			55.5	155
	15	7.7	7.7				7.7	2.6	54.8			56.1	155
	18	6.5	10.3				10.3	5.8	56.1			58.7	155
	21	2.6	4.5				4.5	28.4	52.9			60.0	155
TOTALS		2.3	4.1				4.1	30.9	55.6			67.3	1240



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

SEP  
MONTH

73-77

STATION NAME  
MERIDIAN, MISSISSIPPI

STATION  
03866

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00		3.3				3.3	43.3	40.7			58.7	150
	03		8.7				8.7	63.3	38.0			69.3	150
	06	.7	9.3				9.3	64.0	41.3			89.3	150
	09		6.7				6.7	26.0	67.3			80.7	150
	12	.7	8.0				8.0	4.7	52.0			55.3	150
	15	2.0	7.3				7.3	7.3	34.0			59.3	150
	18	1.3	8.7				8.7	11.3	49.3			56.0	150
	21	1.3	6.7				6.7	25.3	48.7			58.7	150
TOTALS		.8	7.3				7.3	33.4	48.9			65.9	1200



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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03866 STATION

MERIDIAN, MISSISSIPPI

73-77

YEARS

OCT MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00		4.5				4.5	36.8	27.1			49.0	155
	03		7.1				7.1	43.2	25.8			53.5	155
	06	.6	7.1				7.1	67.5	26.6			72.7	154
	09	.6	5.2				5.2	21.9	47.7			61.9	155
	12		5.8				5.8	8.4	40.0			44.5	155
	15		4.5				4.5	6.5	37.4			41.3	155
	18		5.8				5.8	8.4	35.5			40.0	155
	21		8.4				8.4	23.9	31.6			43.9	155
TOTALS		.2	6.1				6.1	27.1	34.0			50.9	1239

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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NOV  
MONTH

YEARS

73-77

STATION NAME

03866  
STATION

MERIDIAN, MISSISSIPPI

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00		8.7				8.7	31.3	8.7			36.0	150
	03	.7	12.0				12.0	38.0	6.0			40.7	150
	06	.7	14.0				14.0	50.0	9.3			54.7	150
	09	.7	10.0				10.0	33.3	32.0			56.0	150
	12		12.0				12.0	13.3	26.7			36.7	150
	15		10.7				10.7	12.7	21.3			30.7	150
	18	.7	7.3				7.3	12.0	14.7			23.3	150
	21	.7	5.3	.7	1.3		6.7	20.0	14.0			29.3	150
TOTALS		.4	10.0	.1	.2		10.2	26.3	16.6			38.4	1200

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# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

03866 STATION MERIDIAN, MISSISSIPPI 73-77 YEARS DEC MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00	.6	11.0				11.0	23.2	5.2		.6	27.7	155
	03	.6	11.6				11.6	29.0	4.5		.6	32.3	155
	06		12.3				12.3	32.9	7.1		.6	37.4	155
	09	.6	10.3				10.3	29.0	17.4			41.3	155
	12	1.3	9.7				9.7	14.2	25.2			38.1	155
	15		10.3		.6		11.0	12.3	19.4			30.3	155
	18		9.7		.6		10.3	11.0	13.5		.6	25.2	155
	21	1.3	9.0				9.0	17.4	9.0		.6	25.8	155
TOTALS		.6	10.5		.2		10.7	21.1	12.7		.4	32.3	1240

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

03866 STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.7	12.2	.4	1.0		13.6	23.9	12.1			33.8	1240
FEB		1.1	7.5				7.5	14.4	16.2		1.3	28.8	1128
MAR		2.5	10.7				10.7	20.4	17.9		1.0	34.4	1240
APR		1.8	8.4				8.4	18.7	16.8			31.9	1200
MAY		2.7	6.5				6.5	25.8	40.5			55.6	1240
JUN		1.8	2.8				2.8	20.7	41.9			52.2	1200
JUL		3.6	6.0				6.0	29.0	56.9			69.0	1240
AUG		2.3	4.1				4.1	30.9	55.6			67.3	1240
SEP		.8	7.3				7.3	33.4	48.9			65.9	1200
OCT		.2	6.1				6.1	27.1	34.0			50.9	1239
NOV		.4	10.0	.1	.2		10.2	26.3	16.6			38.4	1200
DEC		.6	10.5		.2		10.7	21.1	12.7		.4	32.3	1240
TOTALS		1.5	7.7	.0	.1		7.8	24.3	30.8		.2	46.7	14607



# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

61-77

YEARS

ALL  
MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	6.0	46.6	2.0	7.1	.2	49.6	55.0	36.1	.4	.2	61.5	496
FEB		9.5	37.6	.7	3.5		38.3	47.3	34.5			55.3	452
MAR		16.3	44.6		1.4	1.4	45.2	54.2	38.1			61.3	496
APR		18.1	37.7			.6	37.7	63.1	48.1			69.2	480
MAY		17.3	35.1				35.1	75.0	61.9			78.4	496
JUN		25.4	40.0			.4	40.0	76.7	67.5			83.1	480
JUL		40.7	52.8			.2	52.8	76.7	64.4			81.7	481
AUG		27.4	42.1			.2	42.1	84.4	69.0			87.0	525
SEP		13.9	39.8				39.8	82.5	67.3			86.5	510
OCT		3.2	23.7				23.7	65.3	53.9			70.6	527
NOV		6.3	38.4	.2	1.0		38.4	58.8	47.6			67.5	510
DEC		7.2	42.1	.4	2.1	.2	43.1	54.6	36.1		.4	60.9	527
TOTALS		15.9	40.0	.3	1.3	.3	40.5	66.1	52.0	.0	.0	71.9	5980



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS MONTH JANUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.0	.7	1.4	.7		1.4		.7	19.3	2.1	12.1			65.0
NNE	11.1			4.4					11.1		6.7			75.6
NE	15.0	5.0	5.0	5.0				5.0	20.0		25.0			50.0
ENE	27.3		9.1						36.4	9.1	18.2			45.5
E	24.3	2.7						2.7	27.0	2.7	10.8			59.5
ESE	9.8	2.0							21.6	9.8	19.6			52.9
SE	12.5	3.6	5.4						26.8		19.6			51.8
SSE	4.8	7.1						2.4	21.4	2.4	16.7			59.5
S	2.7	5.4	1.4					2.7	20.3	2.7	17.6			58.1
SSW	1.4	2.9				1.4		1.4	14.3		21.4			68.6
SW		3.4	3.4			3.4			10.3	6.9	17.2			58.6
WSW	3.1								18.8	3.1	15.6			68.8
W	2.3	4.3	2.3			2.3			15.9		15.9			65.9
WNW	2.2	2.2	2.2			4.3			23.9		10.9			60.9
NW	6.6		13.1			3.3			26.2		6.6			63.9
NNW	10.1	2.3	5.1			3.8			27.8		9.9			60.8
VARIABLE														
CALM														
TOTAL	91	24	36	5		13		9	253	44	148			784
% TOTAL	7.3	1.9	2.9	.4		1.0		.7	20.4	3.5	11.9			63.2

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.9		1.4						14.1	2.8	16.9			70.4
NNE		6.5						3.2	16.1	6.5	9.7			64.5
NE		6.3									37.5			56.3
ENE	35.7								42.9		7.1			42.9
E	16.0								12.0		8.0			72.0
ESE	2.4	7.1	4.8					2.4	11.9	11.9	23.8			54.8
SE	4.0	6.0	2.0					2.0	8.0	8.0	44.0			48.0
SSE	3.6	7.3							9.1	3.6	20.0			67.3
S	4.2	3.3	1.7					3.3	9.2	5.8	17.5			61.7
SSW		3.4						3.4	8.6	1.7	10.3			70.7
SW	5.1	2.6							12.8		15.4			69.2
WSW		2.2						2.2	4.3		8.7			84.8
W	1.8	5.5						1.8	9.6	1.8	12.7			83.6
WNW											19.0			81.0
NW	6.3		2.1						4.2	10.4	20.8			66.7
NNW	6.1	1.5	3.0					1.5	18.2	3.0	4.5			74.2
VARIABLE														
CALM	3.6	1.6	1.3					1.3	9.0	7.5	9.6			79.1
TOTAL	48	27	10					13	107	56	167			736
% TOTAL	4.3	2.4	.9					1.2	9.5	5.0	14.8			69.7

TOTAL NUMBER OF OBSERVATIONS 1,128

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5708% FREQ. WIND VS WEATHER JAN 68



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.4	2.9						1.4	15.7	2.9	10.0			71.4
NNE	10.3	3.4							17.2		6.9			72.4
NE	9.1	9.1							18.2	4.5	18.2			63.6
ENE		12.1	3.0					9.1	27.3		27.3			57.6
E	4.3	4.3	2.9					1.4	21.4	10.0	24.3			52.9
ESE	4.0	8.0	4.0					5.3	14.7	8.0	32.0			46.7
SE	9.9	5.6	2.8					2.8	21.1	2.8	38.0			43.7
SSE	5.1	7.7	1.3					1.3	16.7	5.1	19.2			61.5
S	2.1	5.7	1.4					2.9	4.3	4.3	15.7			75.0
SSW	1.8								9.1		27.3			67.3
SW	3.3	6.7							10.0	3.3	20.0			60.0
WSW		8.8	2.9					2.9	5.9	2.9	17.6			70.6
W	1.5	4.4	4.4					1.5	8.8	7.4	5.9			73.5
WNW		2.4						2.4		4.8	9.5			85.7
NW	8.1	13.5	2.7					8.1	18.9	2.7	18.2			56.8
NNW		2.4	2.4					2.4	16.7	4.8	28.2			59.5
VARIABLE														
CALM	2.0	3.2	1.3					2.3	13.4	14.0	12.5			62.8
TOTAL	46	69	18					31	165	88	222			787
% TOTAL	3.7	5.6	1.5					2.5	13.3	7.1	17.9			63.5

TOTAL NUMBER OF OBSERVATIONS 1,240



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

03866 STATION MERIDIAN, MISSISSIPPI JAN 73- DEC 77 YEARS MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.8	1.4						1.4	9.7	2.8	11.1			73.6
NNE	3.0								3.0	3.0	12.1			78.8
NE	9.1	4.5							9.1	4.5	13.6			77.3
ENE	11.1	22.2						16.7	27.8		33.3			33.3
E	9.3	11.1	1.9					3.7	29.6	3.7	20.4			48.1
ESE	9.0	7.5							20.9	6.0	26.4			50.7
SE	8.0	4.6							11.3	1.1	29.9			57.5
SSE	11.8	7.4						2.9	20.6	2.9	22.1			52.9
S	1.2	2.4						1.2	8.3	10.7	25.0			57.1
SSW		4.5						4.5	6.8	6.8	27.3			56.8
SW	3.7	11.1						3.7	7.4	11.1	37.0			44.4
WSW	4.2	12.5						4.2	8.3		12.5			70.8
W		8.3						5.6	1.4	5.6	6.9			84.7
WNW		5.9	2.0					3.9	11.8	7.8	5.9			76.5
NW		3.3						3.3	3.3		3.3			90.0
NNW	3.0	6.1							9.1	3.0	12.1			72.7
VARIABLE														
CALM	1.9	5.2						1.5	7.7	14.7	11.6			78.5
TOTAL	45	53	2					22	126	98	199			793
% TOTAL	3.8	4.4	.2					1.8	10.5	8.2	16.6			66.1

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73 DEC 77 YEARS MAY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0	3.3						1.7	10.0	3.3	21.7			70.0
NNE										3.8	23.1			73.1
NE										8.3	38.3			41.7
ENE	13.0	8.7						8.7	17.4	4.3	39.1			43.5
E	10.3	5.1						5.1	10.3	12.8	43.6			41.0
ESE	17.6	2.0						3.9	23.5	9.8	35.3			37.3
SE	8.9	4.4						2.2	15.6	8.9	31.1			48.9
SSE	3.4	10.2						3.4	6.8	10.2	47.5			35.6
S	1.4	6.9						5.6	9.7	6.9	47.2			36.1
SSW	3.3	5.0						1.7	6.7	5.0	33.3			50.0
SW		2.5						2.5	12.5	5.0	40.0			50.0
WSW		9.3						9.3	4.7	2.3	51.2			39.5
W		5.9	2.0					5.9	7.8	2.0	35.3			52.9
WNW		2.4						7.1	11.9	4.8	26.2			54.8
NW		4.0						4.0	4.0		28.0			68.0
NNW	4.3		4.3						13.0		21.7			65.2
VARIABLE														
CALM	1.2	1.8						1.1	14.1	13.4	45.0			35.7
TOTAL	36	43	2					33	148	172	501			532
% TOTAL	2.9	3.3	.2					2.7	11.9	13.9	40.4			42.9

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

02866 STATION NAME MERIDIAN, MISSISSIPPI JAN 73- DEC 77 YEARS MONTH JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.1						4.1	4.1	6.1	40.8			49.0
NNE		10.0						5.0		10.0	40.0			50.0
NE		18.2						18.2	9.1		36.4			54.5
ENE		6.1						3.0	6.1	3.0	36.4			48.5
E		8.0						8.0	6.0	4.0	40.0			46.0
ESE	2.5								5.0	15.0	37.5			45.0
SE									3.7	7.4	25.9			63.0
SSE		4.5						4.5	4.5		25.0			68.2
S	2.6							2.6		10.5	31.6			50.0
SSW		3.2						3.2		6.5	38.7			41.9
SW		4.2						2.1	2.1	2.1	43.8			52.1
WSW		1.8						1.8		3.6	53.6			41.1
W		3.6							1.8	1.8	33.9			60.7
W'W		3.0						3.0			42.4			57.6
NW									3.1	8.3	29.2			62.5
NNW			3.1							2.5	31.3			59.4
VARIABLE														
CALM		1.2						1.7	8.9	24.0	62.8			61.1
TOTAL	3	29	1					21	70	178	482			561
% TOTAL	.3	2.4	.1					1.8	5.8	14.8	40.2			46.8

TOTAL NUMBER OF OBSERVATIONS 1,200



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS MONTH JULY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.0						10.0		7.5	67.5			27.5
NNE		13.3						13.3		6.7	46.7			26.7
NE		11.1									66.7			33.3
ENE		18.2	4.5					13.6	9.1	22.7	68.2			13.6
E	4.1	4.1	4.1					2.0	10.2	12.2	38.8			40.8
ESE	3.1	6.3						3.1	9.4	3.1	56.3			31.3
SE	3.8	7.7	3.8					11.5	15.4		73.1			23.1
SSE		17.4						6.7	8.7	4.3	69.6			21.7
S		4.2						6.3	10.4	6.3	41.7			45.8
SSW		5.9						5.9	3.9	3.9	60.8			31.4
SW	2.1	12.5						6.3	4.2	2.1	39.6			43.8
WSW	1.7	5.2						3.4	3.4	3.4	48.3			44.8
W	3.5	4.7						3.5	5.8	9.3	47.7			38.4
WNW	2.6	10.3						2.6		7.7	46.2			33.3
NW		9.1						4.5		4.5	40.9			36.4
NNW		10.3						20.7	6.9		58.6			20.7
VARIABLE														
CALM	1.5	1.5						1.1	14.6	10.0	50.1			23.4
TOTAL	14	56	4					45	129	232	674			359
% TOTAL	1.1	4.5	.3					3.6	10.4	18.6	54.1			28.8

TOTAL NUMBER OF OBSERVATIONS 1,246

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.2						3.4	5.2	10.3	53.4			29.3
NNE	4.3	8.7						13.0		17.4	47.8			17.4
NE		5.3						5.3	5.3		68.4			21.1
ENE										4.0	76.0			24.0
E		3.5						5.3	3.5	7.0	59.6			31.6
ESE		10.0						10.0	6.7	3.3	30.0			60.0
SE	10.3	10.3						3.4	6.9	6.9	37.9			41.4
SSE		2.2	2.2					2.2	8.7	2.2	34.8			56.5
S		8.0						4.0		8.0	32.0			60.0
SSW		6.3						3.1	3.1	3.1	43.8			53.1
SW	5.6	11.1						5.6		5.6	83.3			11.1
WSW		5.3								5.3	52.6			47.4
W		8.0							4.0	4.0	60.0			32.0
WNW	6.7	6.7						6.7		6.7	33.3			53.3
NW									6.7	6.7	53.3			40.0
NNW								3.4	6.9	3.4	51.7			37.9
VARIABLE														
CALM								1.1	18.6	38.9	58.6			25.2
TOTAL	12	38	1					28	121	262	659			385
% TOTAL	1.0	3.1	.1					2.3	9.8	21.1	53.1			31.0

TOTAL NUMBER OF OBSERVATIONS 1,240



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

03806 STATION MERIDIAN, MISSISSIPPI STATION NAME JAN 73 DEC 77 YEARS SEPTEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	8.1		2.7						15.3	4.5	34.2			48.6
NNE	8.5	2.1	2.1					2.1	14.9	12.8	55.3			34.0
NE	30.6								22.2	2.8	47.2			36.1
ENE	12.1								27.3	9.1	36.4			39.6
E	8.2	2.7	.9					.9	13.6	10.0	39.1			38.2
ESE	3.1	9.4						3.1	25.0	3.1	46.9			31.3
SE	4.5								31.8		27.3			36.4
SSE	3.3	3.3							6.7	3.3	50.0			30.0
S	2.5	2.5	7.5						15.0	5.0	32.5			42.5
SSW											50.0			40.0
SW		6.3	6.3						12.5		50.0			37.5
WSW		4.3	4.3					4.3	13.0	4.3	52.2			13.0
W	2.9	2.9						2.9	11.8	5.9	67.6			20.6
WNW		2.7							16.2		48.6			43.2
NW	3.2								9.7	9.7	32.3			45.2
NNW	4.9	2.4	2.4						14.6	7.3	46.3			29.3
VARIABLE														
CALM	1.0	1.0	1.0					.7	17.3	10.0	44.8			28.2
TOTAL	55	21	12					9	198	205	528			401
% TOTAL	4.6	1.7	1.0					.7	16.4	17.0	43.8			33.3

TOTAL NUMBER OF OBSERVATIONS 1,206



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

03866

STATION

MERIDIAN, MISSISSIPPI

STATION NAME

JAN 73- DEC 77

YEARS

OCTOBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.3								6.1	7.0	30.4			60.0
NNE	7.9								10.5	5.3	34.2			55.3
NE	15.8								21.1		19.8			57.9
ENE	6.7		6.7						13.3		23.3			53.3
E	6.8								11.0	9.6	28.8			54.8
ESE	17.0	2.1							19.1	8.5	59.6			25.5
SE	11.1								11.1	5.6	47.2			33.3
SSE	7.7								11.5	26.9	46.2			23.1
S	10.3		3.4						13.8	3.4	41.4			37.9
SSW	9.1							4.3	36.4		54.5			18.2
SW											21.7			65.2
WSW	5.0								10.0		25.0			60.0
W	6.5	4.3						2.2	19.6	2.2	21.7			60.9
WNW	8.3		2.8						11.1	2.8	25.0			63.9
NW	2.1	2.1	2.1						8.3	4.2	16.7			64.6
NNW			4.2						8.3	2.8	26.4			61.1
VARIABLE														
CALM	3.1	1.2							8.9	10.0	31.8			62.3
TOTAL	56	11	8					2	127	208	391			594
% TOTAL	4.5	.9	.6					.2	10.3	16.8	31.6			47.9

TOTAL NUMBER OF OBSERVATIONS

1,239

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

03866 STATION MERIDIAN, MISSISSIPPI STATION NAME JAN 73- DEC 77 YEARS NOVEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	14.3		3.9						28.6	5.2	6.5			63.6
NNE	18.2								36.4	3.0	33.3			39.4
NE	25.0								35.0	5.0	25.0			40.0
ENE	14.3								23.8		14.3			71.4
E	2.1	2.1							16.7	4.2	14.6			66.7
ESE	7.7	4.6						1.5	13.8	7.7	23.1			53.8
SE	6.0	1.5	1.5						17.9	3.0	19.4			59.7
SSE	10.9	3.6	1.8						23.6	3.6	16.4			52.7
S	5.6	4.2	1.4					1.4	23.9	5.6	19.7			52.1
SSW	10.8	2.7							10.8		35.1			48.6
SW	17.6	5.9						5.9	17.6	5.9	47.1			29.4
WSW	7.4	3.7	3.7						7.4	3.7	18.5			59.3
W	5.5	5.5				1.8		1.8	21.8	1.8	12.7			61.8
WNW	1.9								13.2	1.9	11.3			75.5
NW	8.9			1.8		1.8			16.1	1.8	8.9			71.4
NNW	12.9	2.9	4.3					1.4	25.7	1.4	11.4			60.0
VARIABLE	4.7								15.7	14.5	13.6			61.0
CALM														
TOTAL	92	18	10	1		2		5	227	89	192			714
% TOTAL	7.7	1.5	.8	.1		.2		.4	18.9	7.4	16.0			59.5

TOTAL NUMBER OF OBSERVATIONS 1,200



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

03866 STATION MERIDIAN, MISSISSIPPI JAN 73- DEC 77 YEARS DECEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS" ICE CRYSTALS	SNOW "GRAINS" "PELLETS" "SHOWERS"	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.6	1.5	4.5					1.5	25.8	1.5	9.1			65.2
NNE	5.3	5.3							15.8		15.8			68.4
NE	16.2	9.1							18.2		9.1			63.6
ENE	13.0	13.0						4.3	26.1	4.3	4.3			65.2
E	25.4	2.8	4.2					1.4	28.2	7.0	8.5			50.7
ESE	20.9								20.9	9.0	10.4			56.7
SE	4.0	2.0							14.0	10.0	30.0			50.0
SSE	7.0	2.3	2.3						11.6		16.3			65.1
S	8.6								7.1		20.0			68.6
SSW	6.3	2.1							14.6	4.2	18.8			58.3
SW	4.3	4.3	4.3					4.3	21.7		21.7			56.5
WSW			5.6						16.7		11.1			63.9
W	2.3		2.3			1.1			19.8		6.9			79.3
WNW	1.7	3.3	1.7			1.7		3.3	11.7		16.7			68.3
NW	4.2	2.8	4.2						13.9	1.4	8.3			73.6
NNW	10.0	1.4	1.4						26.3	4.3	11.4			61.4
VARIABLE														
CALM	9.2	2.2	1.7					1.2	14.6	7.8	9.9			69.6
TOTAL	88	18	24			2		7	205	57	150			818
% TOTAL	7.1	1.5	1.9			.2		.6	16.5	4.6	12.1			66.0

TOTAL NUMBER OF OBSERVATIONS 1,240



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

03866 STATION NAME MERIDIAN, MISSISSIPPI JAN 73 DEC 77 YEARS MONTH ALL HOURS (L.S.T.) ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	1.6	1.3	.1		.2		1.4	13.9	4.4	23.6			59.5
NNE	6.7	3.1	.3	.6				2.2	11.7	5.6	27.0			56.0
NE	12.9	4.6	.5	.5				1.8	15.2	2.3	34.1			49.3
ENE	8.7	6.6	1.7					4.5	19.6	4.5	33.6			45.5
E	8.8	3.8	1.3					2.3	16.0	7.6	29.4			48.3
ESE	9.0	4.7	.6					2.2	16.7	8.2	31.4			46.6
SE	7.4	3.9	1.4					1.4	15.5	4.2	33.2			48.8
SSE	5.3	6.2	.7					1.9	13.4	4.7	28.5			52.7
S	3.2	3.9	1.2					2.6	9.9	5.6	25.4			57.6
SSW	2.3	3.3				.2		2.1	8.7	2.7	31.5			54.7
SW	2.8	5.9	.8			.3		2.8	8.7	3.4	34.6			50.6
WSW	1.4	4.3	1.2			.4		2.6	6.9	2.4	32.1			55.3
W	2.2	4.6	1.0			.6		2.2	9.4	3.7	23.9			62.7
WNW	1.6	2.9	.8			.6		2.1	9.0	2.7	22.3			65.0
NW	4.3	2.6	3.0	.2		.6		1.3	11.5	3.6	17.3			64.6
NNW	5.5	2.2	2.9			.5		1.7	16.9	3.2	21.5			57.7
VARIABLE														
CALM	3.1	1.3	.4	.0		.0		1.7	13.1	21.5	32.7			55.8
TOTAL	586	407	128	6		17		225	1876	1689	4313			7514
% TOTAL	4.0	2.8	.9	.0		.1		1.5	12.8	11.6	29.5			51.4

TOTAL NUMBER OF OBSERVATIONS 14,619

## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME 03866 MERIDIAN, MISSISSIPPI STATION NAME 61-77 YEARS

PRECIP.	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR-ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	50.4	12.7	1.6	6.5	3.6	6.7	7.9	6.2	4.0	.4				36.9	496	5.03	9.28	2.20
FEB	61.7	9.3	1.5	4.4	2.9	4.9	5.5	6.2	3.1	.4				29.0	452	4.19	9.22	1.41
MAR	54.8	10.3	3.2	4.2	2.6	6.0	5.0	6.2	7.1	.4				34.9	496	6.05	15.05	1.79
APR	62.2	10.2	1.5	3.7	1.7	5.6	3.7	5.0	5.4	.6	.2			27.5	480	5.38	12.83	1.32
MAY	64.9	7.1	2.6	3.4	3.0	3.4	7.1	5.8	2.6					28.0	496	3.66	7.92	.49
JUN	60.0	13.5	2.1	4.4	2.7	4.2	4.0	5.2	3.7	.2				26.5	480	3.48	10.52	.58
JUL	47.5	13.5	3.7	6.0	4.3	8.4	5.8	6.5	3.9	.4				38.9	465	4.97	10.11	1.89
AUG	58.1	9.3	1.8	6.2	4.2	6.7	5.6	4.4	3.6					32.7	496	3.91	7.02	1.03
SEP	60.2	12.9	3.1	4.5	3.1	4.7	5.9	3.5	1.6	.4				26.9	510	2.80	6.12	.85
OCT	76.3	7.2	.9	2.8	1.5	4.7	1.1	2.1	2.5	.8				16.5	527	2.73	8.01	TRACE
NOV	61.6	9.6	2.4	4.1	3.1	6.1	5.9	4.7	2.5					28.8	510	3.12	7.78	1.22
DEC	56.9	8.5	3.6	3.2	2.5	5.9	6.3	7.4	4.9	.6	.2			34.5	527	6.13	12.10	1.93
ANNUAL	59.6	10.3	2.3	4.4	2.9	5.6	5.3	5.3	3.7	.3	.0			30.1	5935	1.45		

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

03866 STATION MERIDIAN, MISSISSIPPI STATION NAME 61-77 YEARS

5722 Daily Amounts Jan. 1969

PRECIP.	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																			MEAN	GREATEST	LEAST
JAN	92.9	5.6		.6	.2	.2	.2	.2									1.4	496	.6	5.5	.0
FEB	96.5	3.1		.2		.2											.4	452	.1	1.6	.0
MAR	98.6	1.2				.2											.2	496	.1	2.0	.0
APR	100.0																	480	.0	.0	.0
MAY	100.0																	496	.0	.0	.0
JUN	100.0																	480	.0	.0	.0
JUL	100.0																	465	.0	.0	.0
AUG	100.0																	527	.0	.0	.0
SEP	100.0																	510	.0	.0	.0
OCT	100.0																	527	.0	.0	.0
NOV	99.0	1.0																510	TRACE	TRACE	.0
DEC	97.9	1.5			.2		.2			.2							.6	527	.8	13.0	.0
ANNUAL	98.7	1.0		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5966	1.6		

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

03866 STATION MERIDIAN, MISSISSIPPI STATION NAME 61-77 YEARS

5722 Daily Amounts Jan. 1969

	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.4	100.5-200.4	OVER 200.4
SNOWFALL	NONE	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.4	100.5-200.4	OVER 200.4
SNOW- DEPTH	NONE	NONE	TRACE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120		
JAN	96.4	1.4	.2	.6	1.0	.4											
FEB	99.3	.5	.2	.2													
MAR	99.8	.2															
APR	100.0																
MAY	100.0																
JUN	100.0																
JUL	100.0																
AUG	100.0																
SEP	100.0																
OCT	100.0																
NOV	100.0																
DEC	98.7	.9	.2	.2													
ANNUAL	99.5	.2	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

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# EXTREME VALUES

## PRECIPITATION (FROM DAILY OBSERVATIONS)

61-77

MERIDIAN, MISSISSIPPI

03866

STATION

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	2.17	1.56	2.08	1.46	1.13	1.90	.85	.62	.53	1.02	2.27	3.42	2.17
62	4.20	.95	1.20	1.51	1.19	1.04	1.22	.50	.36	1.42	.51	1.02	4.20
63	1.54	.84	2.31	2.54	1.10	1.61	2.01	1.21	.33	TRACE	1.18	1.00	4.12
64	1.32	2.12	1.25	.71	.41	1.58	.93	2.12	.46	.84	.59	.86	2.12
65	1.38	2.60	1.79	1.13	2.21	.64	1.68	1.42	.87	.70	1.09	2.40	2.60
66	.92	1.33	1.11	.69	1.38	.44	.62	2.38	.43	.92	.52	2.16	2.38
67	1.03	.91	1.19	1.91	.78	1.49	2.88	1.26	2.06	.92	1.67	1.88	2.88
68	1.50	1.11	1.91	2.38	.78	.54	3.85	1.39	1.20	1.47	1.24	1.95	3.85
69	.85	.95	1.62	1.01	2.09	.69		2.24	.94	3.90	.86	1.09	
70	.76	4.18	1.34	1.38	1.75	1.03	1.94	.84	2.81	1.02	.57	1.97	4.18
71	1.99	1.40	.91	.67	1.40	.87	.59	1.49	1.15	1.14	1.06	1.68	1.99
72	1.20	1.43	1.84	2.64	1.23	.61	.60	.88	.66	1.77	1.01	6.14	6.14
73	1.06	2.05	1.03	5.69	.85	3.08	.97	1.73	2.40	.18	.76	3.99	5.69
74	2.07	2.30	2.08	1.70	.81	1.32	1.43	2.09	1.06	2.58	.64	1.26	2.58
75	1.48	.72	3.46	.78	1.65	1.03	1.85	.61	1.29	1.34	.98	1.89	3.46
76	3.46	1.60	3.36	2.52	.61	1.27	2.06	1.05	3.42	3.51	1.78	.56	3.51
77													
MEAN	1.68	1.64	1.78	1.80	1.21	1.20	1.56	1.38	1.22	1.38	1.08	2.11	3.46
S. D.	.948	.879	.764	1.250	.517	.662	.918	.612	.918	1.229	.504	1.378	1.266
TOTAL OBS.	496	452	496	480	496	480	465	496	510	527	510	527	5935

NAVWEASERVCOM

5723 Extreme Values Jan 1969





# EXTREME VALUES

## SNOWFALL

(FROM DAILY OBSERVATIONS)

61-77

MERIDIAN, MISSISSIPPI

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	3.9	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
62	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	10.0
63	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
64	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.3
66	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
67	TRACE	1.6	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
70	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.0
74	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
75	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
MEAN	.47	.12	.13	.00	.00	.00	.00	.00	.00	.00	TRACE	.62	1.32
S. D.	1.163	.406	.500	.000	.000	.000	.000	.000	.000	.000	.000	2.421	2.698
TOTAL OBS.	496	452	496	480	496	480	465	527	510	527	510	527	5966

NAVWEASERVCOM

1969 Extreme Values for

11-2





# EXTREME VALUES

## SNOW DEPTH

(FROM DAILY OBSERVATIONS)

03866

STATION

MERIDIAN, MISSISSIPPI

STATION NAME

YEARS

61-77

### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61													
62	4												
63	TRACE	TRACE											
64	11												
65													
66													
67													
68	TRACE	2	TRACE										
69													
70													
71	TRACE												TRACE
72													
73												TRACE	TRACE
74													
75													
76													
77	3	TRACE											3
MEAN	1.1	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.4
S. D.	2.895	.516	.000	.000	.000	.000	.000	.000	.000	.000	.000	.728	3.003
TOTAL OBS.	496	424	496	480	496	480	463	527	510	527	510	527	5938

NAVWEASERVCOM

5723 Extreme Values Jan 1969



## FROM DAILY OBSERVATIONS)

**MERIDIAN, MISSISSIPPI**

STATION NAME

YEARS

**STATION**  
**03866**

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

1962-1977

YEARS

# DAILY EXTREME AMOUNTS

JANUARY  
MONTH

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.25	6	1968	0.1	3	1964
2	1.38	35	1966			
3	0.71	18	1968			
4	1.99	51	1972			
5	1.53	39	1962			
6	0.85	22	1970			1970*
7	1.20	30	1973			1976
8	0.78	20	1964			1976
9	3.46	88	1977	3.9	99	1962
10	2.07	53	1975			1977*
11	1.71	43	1963			
12	1.10	28	1975			1975*
13	0.88	22	1966	0.3	8	1963
14	0.74	19	1971			1968
15	0.40	10	1966			
16	0.31	8	1964			1965*
17	0.60	15	1963			1963
18	2.17	55	1962	2.9	74	1977
19	4.20	107	1963			1977*
20	1.06	27	1974			1966*
21	0.97	25	1973			
22	1.32	34	1965			1970
23	1.03	26	1965			1963
24	1.54	39	1964			1966
25	1.48	38	1976			
26	1.27	32	1962			1966
27	0.32	8	1962			1963
28	0.84	21	1966			
29	1.10	28	1972	0.3	8	1966
30	1.24	31	1963	1.0	25	1977
31	0.28	7	1969	1.6	41	1977
Monthly	4.20	107	1963	3.9	99	1962

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.89	23	1970			
2	0.91	23	1963			1966
3	1.00	25	1975			
4	0.63	16	1971			
5	0.21	5	1964			
6	1.55	39	1967			1967
7	0.39	10	1971			
8	0.69	18	1973			1973*
9	0.11	3	1975			
10	2.15	55	1966			
11	2.12	54	1963	0.4	10	1963
12	2.60	66	1966			1971*
13	1.43	36	1973			1971
14	1.11	28	1969			1968
15	2.23	57	1966			
16	2.30	58	1975			
17	0.84	21	1964			
18	0.95	24	1963			1963
19	0.64	16	1971			
20	0.49	12	1971			
21	4.18	106	1971			1968*
22	0.99	25	1962			
23	1.60	41	1977	1.6	41	1968
24	0.46	12	1965			1965
25	0.95	24	1970			1965
26	0.97	25	1971			
27	0.60	15	1966			
28	0.91	23	1968			
29	0.34	9	1972			1968
30						
31						
Monthly	4.18	106	1971	1.6	41	1968

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866

STATION MERIDIAN, MISSISSIPPI

1962-1977

STATION NAME

STATION NAME

YEARS

# DAILY EXTREME AMOUNTS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.34	34	1971			
2	2.31	59	1964			
3	1.63	41	1977	T	T	1975*
4	0.65	17	1977			
5	1.36	35	1977	T	T	1962
6	1.38	35	1976			
7	0.37	9	1975	T	T	1965
8	1.25	32	1976			
9	0.57	14	1964			
10	0.76	19	1975			
11	1.10	28	1975			
12	1.02	26	1977	T	T	1971
13	2.08	53	1975			
14	1.79	45	1966*			
15	1.50	38	1976			
16	1.83	46	1975			
17	0.60	15	1975			
18	0.92	23	1971			
19	1.62	41	1970			
20	1.12	28	1976			
21	3.36	85	1977			
22	1.15	29	1968	2.0	51	1968
23	1.91	49	1969	T	T	1968
24	1.84	47	1975			
25	1.33	34	1971			
26	1.78	45	1976			
27	0.89	23	1976			
28	1.13	29	1977			
29	2.32	59	1977			
30	3.46	88	1976			
31	2.08	53	1962			
Monthly	3.46	88	1976	2.0	51	1968

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.32	59	1974			
2	0.57	14	1975			
3	0.43	11	1965			
4	2.04	52	1977			
5	2.31	59	1964			
6	2.29	58	1964			
7	1.85	47	1975			
8	0.97	25	1964			
9	1.70	43	1975			
10	1.16	29	1969			
11	1.00	25	1962			
12	5.69	143	1974			
13	2.54	65	1964			
14	1.50	38	1975			
15	0.16	4	1970			
16	1.73	44	1975			
17	2.38	60	1969			
18	1.13	29	1969			
19	1.01	26	1970			
20	1.51	38	1963			
21	2.52	64	1977			
22	1.27	32	1974			
23	0.18	5	1968			
24	0.60	15	1966			
25	2.64	67	1975			
26	2.43	62	1964			
27	0.38	10	1966			
28	1.46	37	1962			
29	1.38	35	1971			
30	1.01	26	1975			
31						
Monthly	5.69	143	1974			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

1962-1977  
YEARS

# DAILY EXTREME AMOUNTS

MAY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.09	53	1970			
2	0.87	22	1967			
3	0.56	14	1977			
4	1.38	35	1967			
5	0.49	12	1973			
6	0.42	11	1963			
7	1.63	42	1976			
8	0.78	20	1969			
9	0.44	11	1971			
10	0.29	7	1971			
11	0.64	16	1968			
12	1.73	44	1971			
13	1.40	35	1972			
14	0.63	17	1976			
15	0.81	21	1973			
16	0.06	2	1966			
17	0.47	12	1968			
18	0.22	6	1966			
19	0.82	21	1966			
20	0.47	12	1973			
21	1.36	40	1966			
22	0.68	17	1974			
23	0.98	25	1973			
24	0.43	11	1969			
25	2.21	56	1966			
26	0.85	22	1974			
27	1.19	30	1963			
28	0.43	11	1964			
29	0.77	20	1973			
30	1.13	29	1962			
31	0.93	24	1967			
Monthly	2.21	56	1966			

JUNE  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.85	22	1974			
2	0.19	5	1969			
3	0.07	2	1962			
4	0.34	9	1962			
5	3.08	78	1974			
6	1.03	26	1971			
7	1.58	40	1965			
8	1.90	48	1962			
9	1.83	47	1962			
10	0.60	15	1962			
11	1.19	30	1963			
12	1.32	34	1962			
13	0.87	22	1963			
14	0.92	23	1975			
15	0.70	18	1972			
16	1.03	26	1976			
17	0.88	22	1963			
18	0.32	8	1963			
19	1.49	38	1968			
20	0.64	16	1963			
21	0.67	17	1963			
22	1.04	26	1963			
23	1.01	26	1974			
24	0.69	18	1970			
25	1.12	28	1962			
26	1.48	38	1962			
27	0.50	13	1971			
28	0.70	18	1976			
29	0.87	22	1972			
30	1.61	41	1964			
31						
Monthly	3.08	78	1974			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866

STATION

1962-1977

STATION NAME

YEARS

JULY

MONTH

AUGUST

MONTH

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.94	49	1971			
2	0.63	16	1971			
3	0.35	9	1972			
4	0.82	21	1976			
5	0.44	11	1974			
6	0.34	9	1967			
7	0.93	24	1965			
8	2.88	73	1968			
9	0.77	20	1964			
10	1.08	27	1970			
11	1.57	40	1970			
12	1.22	31	1969			
13	1.60	41	1969			
14	0.87	22	1976			
15	1.05	27	1976			
16	1.66	42	1971			
17	1.07	27	1975			
18	0.22	6	1969			
19	1.42	36	1977			
20	0.94	24	1970			
21	0.37	9	1975			
22	1.06	27	1964			
23	2.01	51	1964			
24	0.84	21	1964			
25	0.68	17	1971			
26	3.85	98	1969			
27	0.35	9	1976*			
28	1.85	47	1976			
29	1.06	27	1964			
30	1.63	41	1966			
31	0.85	22	1962			
Monthly	3.85	98	1969			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AOUNTS MAR 1978



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866

STATION

1961-1977

STATION NAME

MERIDIAN, MISSISSIPPI

YEARS

SEPTEMBER

MONTH

OCTOBER

MONTH

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.68	17	1971			
2	1.13	29	1971			
3	1.13	29	1968			
4	1.29	33	1976			
5	2.06	52	1968			
6	3.42	87	1977			
7	2.40	61	1974			
8	0.31	8	1974			
9	0.37	9	1977			
10	0.55	14	1961			
11	0.08	2	1962			
12	0.08	2	1961			
13	0.29	7	1973*			
14	0.46	12	1961			
15	0.51	13	1977			
16	2.81	71	1971			
17	0.60	15	1975			
18	0.87	22	1966			
19	1.20	30	1969			
20	T	T	1975*			
21	0.26	7	1965			
22	0.93	24	1975			
23	1.06	27	1975			
24	0.83	21	1970			
25	0.83	21	1970			
26	0.51	13	1974			
27	0.87	22	1966			
28	0.43	11	1966			
29	1.13	29	1972			
30	0.66	17	1973			
31						
Monthly	3.42	87	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.10	28	1969			
2	1.02	26	1961			
3	T	T	1964			
4	4.12	105	1964			
5	0.31	8	1971			
6	1.34	34	1976			
7	1.47	37	1969			
8	1.56	40	1977			
9	0.92	23	1968			
10	T	T	1977*			
11	T	T	1977*			
12	0.43	11	1970			
13	1.52	39	1970			
14	0.46	12	1964			
15	0.79	20	1975			
16	2.58	66	1975			
17	0.17	4	1966			
18	0.70	18	1966			
19	3.90	99	1970			
20	0.22	6	1969			
21	0.21	5	1969			
22	1.14	29	1972			
23	1.02	26	1971			
24	1.29	33	1977			
25	3.51	89	1977			
26	0.08	2	1975			
27	1.03	26	1972			
28	0.25	6	1964			
29	0.21	5	1976			
30	0.92	23	1967			
31	0.31	8	1973			
Monthly	4.12	105	1964			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

STATION

STATION NAME

NOVEMBER

MONTH

DECEMBER

MONTH

YEARS

1961-1977

# DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.93	24	1963			
2	0.63	17	1977	T	T	1966
3	1.60	41	1961			
4	1.78	45	1977			
5	0.44	11	1963			
6	0.22	6	1968			
7	0.61	15	1972			
8	0.37	9	1962			
9	0.39	10	1968			
10	0.39	10	1966			
11	1.09	28	1966			
12	0.47	12	1969			
13	2.27	58	1961			
14	0.94	24	1976			
15	0.27	7	1961			
16	0.43	11	1977			
17	1.67	42	1968			
18	1.24	31	1969			
19	0.93	24	1964			
20	0.76	19	1974			
21	1.32	34	1977			
22	1.10	28	1961	T	T	1973*
23	0.37	14	1971	T	T	1971
24	1.60	41	1964			
25	1.06	27	1972			
26	0.33	14	1975			
27	0.34	14	1973			
28	1.16	30	1963			
29	0.39	10	1977			
30	1.37	35	1977	T	T	1974
31	2.27	58	1961	T	T	1973*
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	17	1968			
2	1.73	44	1967			
3	1.47	37	1964			
4	0.66	17	1973			
5	0.38	13	1961			
6	1.97	50	1971			
7	0.66	17	1974			
8	0.33	13	1966			
9	2.40	61	1966			
10	2.16	55	1967			
11	2.68	68	1964	T	T	1962
12	1.38	35	1961			
13	0.90	23	1963			
14	1.76	45	1967	T	T	1963
15	1.63	42	1972			
16	0.33	13	1973	T	T	1973
17	3.42	87	1961			
18	0.86	22	1963			
19	0.98	25	1973			
20	1.39	40	1972	3.0	76	1963
21	1.67	42	1968	T	T	1963
22	1.88	48	1968	T	T	1963
23	3.99	101	1974			
24	1.02	26	1962			
25	6.14	156	1973			
26	1.41	36	1973			
27	0.39	13	1967	T	T	1967
28	0.39	13	1966			
29	0.89	23	1970	T	T	1967
30	1.68	43	1972	T	T	1970
31	2.02	51	1973	10.0	254	1963
Monthly	6.14	156	1973	10.0	254	1963

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

# EXTREME VALUES

## SURFACE WINDS (FROM DAILY OBSERVATIONS)

STATION NAME

61-77

STATION NAME

YEARS

### DAILY PEAK GUSTS IN KNOTS

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	W 49W	32NW	27NW	30E	30NE	37N	42SSW	24ESE	21	S	NNW	32	
62	SSE 27SW	34WSW	34SSE	35E	21WSW	35W	20NW	18NNW	22NNW	24NW	40W	41	W 41
63	NW 38W	39S	38S	34W	25N	30SSW	41SW	33NNW	21NNE	37W	38S	37	SSW 41
64	NNW 47NW	42SSW	37SSW	39NNW	22ESE	30W	31N	37SE	31W	18NNW	41WSW	26	NNW 47
65	NNW 33SE	33W	30E	29N	20E	25S	27ESE	33W	18N	20NW	35S	39	S 39
66	W 33WSW	32S	37NW	33NNW	39N	27NW	31W	29NNW	24N	29W	34WSW	43	WSW 43
67	N 26NW	29NW	27NW	44SW	36NNW	25NE	27E	27NNW	20W	22SW	39W	38	NW 44
68	W 35SW	35E	31W	31W	35NNW	41NW	29NW	32N	21W	24NNW	34SSW	35	
69	W 35SW	38SW	37S	39NW	24SW	21	W	32S	23W	25NW	25NW	38	
70	SSW 2828	3227	4930	3221	3633	3830	3418	4707	2626	2613	2803	38	27 49
71	33 5090	3126	5329	3028	2231	4124	3924	3727	2609	2516	2231	21	26 53
72	26 2229	2924	3226	2524	3730	4131	2808	2809	2033	2724	3322	34	30 41
73	23 2822	3925	4722	2934	3128	3913	2716	3619	2102	1830	2528	23	25 47
74	24 4015	3229	3724	4117	2325	3825	2329	2630	2035	1727	2325	23	23 58
75	27 2330	3227	4327	2831	2229	2205	2729	2733	2132	1934	2130	26	27 43
76	23 3021	3827	3128	2502	3635	2936	3223	2209	2235	1822	2430	25	21 38
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	32.9	33.9	37.1	32.8	28.7	33.7	30.5	30.6	22.3	23.3	30.2	32.1	44.9
S. D.	9.145	4.097	7.571	5.592	6.925	9.499	6.289	7.089	3.156	5.365	6.950	7.232	5.766
TOTAL OBS.	465	446	496	480	496	480	465	496	479	465	480	525	5773

NAVWEASERVCOM



**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

61-77

**MERIDIAN, MISSISSIPPI**

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	9.0	3.9	1.3									14.2	3.6
NNE	1.3											1.3	2.5
NIE	1.3											1.3	2.5
ENE													
E	.6	1.3										1.9	3.7
ESE	.6	.6	.6									1.9	5.7
SE	3.2	.6										3.9	2.7
SSE	.6	2.6										3.2	4.0
S	1.9	3.9	.6									6.5	4.4
SSW	.6	1.3	.6									2.6	5.0
SW		.6										.6	5.0
WSW			.6									.6	8.0
W	.6											.6	2.0
WNW	.6	1.3	1.3									3.2	6.6
NW	3.2	1.3	.6	1.9								7.1	6.1
NNW	1.3	1.3	.6	.6								3.9	5.7
VARBL													
CALM												47.1	
	25.2	18.7	6.5	2.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.2	.0									9.0	3.9
NNE	4.5											4.5	2.6
NE			.6									.6	8.0
ENE	.6	.6										1.3	2.5
E	1.3	.6										1.9	3.7
ESE	3.2	1.3										4.5	3.0
SE	.6	1.3										1.9	4.7
SSE	.6	.6	.6									1.9	5.3
S	1.3	4.5	.6									6.5	4.8
SSW	1.9	2.6										4.5	3.6
SW		1.3		.6								1.9	8.7
WSW		1.3		.6								1.9	7.7
W	1.3	1.3		.6								3.2	5.8
WNW			1.3									1.3	9.5
NW		.6	1.9	.6								3.2	9.8
NNW	1.9	5.8	.6									6.4	4.7
VARBL													
CALM												43.2	
	20.6	27.1	6.5	2.6								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	3.2	1.9									9.7	4.4
NNE	4.5											4.5	1.6
NE		1.3										1.3	4.5
ENE		.6										.6	5.0
E	.6											.6	3.0
ESE	3.2	1.3										4.5	3.0
SE	3.2											3.2	2.2
SSE	1.3	1.3	.6									3.2	4.4
S	1.9	2.6										4.5	3.6
SSW	2.6	2.6	1.3									6.5	4.3
SW	.6											.6	2.0
WSW	.6	.6			.6							1.3	3.0
W		1.3	1.3									3.2	8.6
WNW	.6											.6	2.0
NW		3.9	2.6									6.5	6.4
NNW	1.3	1.3	2.6	.6								5.8	6.1
VARBL													
CALM												43.2	
	25.2	20.0	10.3	.6	.6							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	5.8	2.0	.6								12.9	5.0
NNE	3.2	1.9										5.2	3.4
NE	2.6	.6										3.2	2.6
ENE		.6										.6	4.0
E	3.2	1.3	.6									5.2	3.5
ESE	3.2	1.9	.6									5.8	3.4
SE	3.2	3.9	.6									7.7	4.4
SSE	1.3	1.3	.6									3.2	4.2
S	3.2	1.3	.6									5.2	3.1
SSW	.6	3.9	1.9									6.5	5.4
SW	2.6	.6										3.2	2.8
WSW	1.3	1.3	1.3	.6								4.5	6.0
W	.6	1.9	.6	.6								3.9	6.5
WNW	.6	1.3	.6									2.6	4.5
NW	.6	1.9	2.6									5.2	6.5
NNW	1.3	.6	4.5									6.5	7.0
VARBL													
CALA												18.7	
	31.6	30.3	17.4	1.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.5	1.3									10.3	4.1
NNE	3.2	.6										3.9	2.7
NE	1.3	.6										1.9	4.0
ENE	.6	.6										1.3	3.5
E	2.6											2.6	2.5
ESE	.6	.6										1.3	3.5
SE	5.2	2.6	.6									8.4	3.4
SSE	3.9	1.3		.6								5.8	3.9
S	3.2	3.9	1.3									8.4	4.5
SSW		5.2	4.5	1.3								11.0	7.2
SW	1.3	3.2	1.3	.6								6.5	6.3
WSW		1.9	1.3									3.2	6.4
W	1.9	1.9	1.9	1.9								7.7	6.8
WNW	1.9	.6	1.3	.6								4.5	6.0
NW		1.3	3.2	1.3								5.8	8.6
NNW	1.3	1.3	4.5	.6								7.7	7.3
VABBL													
CALM												9.7	
	31.6	30.3	21.3	7.1								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.2	2.6	.6								10.3	5.9
NNE	3.2	1.3	.6									5.2	3.3
NE	1.3	.6										1.9	3.7
ENE	1.9	.6										2.6	2.8
E	2.6	1.3	.6									4.5	3.3
ESE	.6	2.6										3.2	4.0
SE	1.9	2.6										4.5	3.1
SSE	3.2	1.9										5.2	2.9
S		3.9	1.3									5.2	5.6
SSW	2.6	3.9	3.2	.6								12.3	6.2
SW		2.6	.6									3.2	6.0
WSW	1.3	2.6	2.6									6.5	5.7
W	2.6	1.3	1.3									5.2	4.5
WNW	.6	2.6	1.9	1.9								7.1	7.5
NW	.6	1.3	1.9									3.9	5.8
NNW		3.2	2.6									5.8	6.4
VARBL													
CALM												13.5	
	24.5	37.4	21.3	3.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.4	2.6	.6									11.6	2.8
NNE	3.2											3.2	2.2
NE	.6	1.3										1.9	3.7
ENE		.6										.6	4.0
E	4.5											4.5	2.3
ESE	5.2	.6										5.8	2.6
SE	1.9	1.3										3.2	2.8
SSE	1.3	1.3										2.6	3.8
S	2.6	2.6	1.3									6.5	4.4
SSW	.6											.6	1.0
SW		.6	.6									1.3	6.0
WSW	.6	.6	.6									1.9	4.7
W	1.9	1.3										3.2	3.2
WNW	4.5		1.9	.6								7.1	4.7
NW	.6	.6	1.3	.6								3.2	6.4
NNW		3.2	.6	.6								4.5	7.3
VARB													
CALM												38.1	
	36.1	16.8	7.1	1.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	3.9	1.3									12.3	3.5
NNE	.6	.6										1.3	2.5
NE	.6											.6	1.0
ENE													
E	1.9	.6										2.6	2.8
ESE	3.2	1.9	.6									5.8	3.6
SE	2.6	.6										3.2	3.0
SSE	.6	1.3										1.9	4.3
S	1.3	2.6	1.3									5.2	4.6
SSW	1.3	1.3										1.3	5.0
SW												1.3	1.5
WSW				.6								.6	13.0
W	1.3											1.3	2.5
WNW	.6	.6	1.3	.6								3.2	6.8
NW	.6	2.6	.6	.6								4.5	6.3
NNW	3.2	1.9	1.3	1.9								8.4	6.8
VARBL													
CALM												46.5	
	25.2	18.1	6.5	3.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	4.3	1.5	.2								11.3	4.1
NNE	3.0	.6	.1									3.6	2.6
NE	1.0	.6	.1									1.6	3.5
NNE	.4	.5										.9	3.3
E	2.2	.6	.2									3.0	3.1
ESE	2.5	1.4	.2									4.1	3.4
SE	2.7	1.6	.2									4.5	3.4
SSE	1.6	1.3	.2	.1								3.4	3.9
S	1.9	3.1	.9									6.0	4.4
SSW	1.1	2.6	1.7	.2								5.6	5.6
SW	.7	1.1	.3	.2								2.3	5.3
WSW	.5	1.0	.6	.2								2.6	6.1
W	1.3	1.1	.6	.4	.1							3.5	5.7
WNW	1.2	.6	1.2	.5								3.7	6.2
NW	.7	1.7	1.9	.6								4.9	6.9
NNW	1.3	2.3	2.2	.6								6.4	6.4
VARBL													
CALA												32.5	
	27.5	24.8	12.1	3.0	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

1240



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	2.1	.7									5.0	4.0
NNE	1.4	.7										2.1	2.7
NE													
ENE		1.4										1.4	4.5
E	2.1	.7										2.8	3.0
ESE	.7	.7	.7									1.4	7.5
SE	.7	2.1										2.8	3.8
SSE	.7	1.4	.7									2.8	5.3
S	5.7	7.8	2.1									15.6	4.2
SSW		1.4	.7	.7								2.8	7.0
SW		.7	.7									1.4	5.5
WSW			1.4	.7	1.4							3.5	13.6
W	2.1	.7		.7								3.5	4.8
WNW	.7	.7		.7								2.1	5.7
NW	1.4	1.4	1.4									4.3	5.2
NNW	4.3	1.4	2.8									8.5	4.9
VARB													
CALM												39.7	
	21.3	23.4	11.3	2.8	1.4							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.4	.7									3.0	4.0
NNE	1.4											1.4	2.0
NE													
ENE													
E	1.4	.7										2.1	2.3
ESE		.7	.7									1.4	6.0
SE	1.4	.7										2.1	3.3
SSE	5.0	.7										5.7	2.9
S	4.3	3.5										7.8	3.1
SSW	2.8	3.5										6.4	3.2
SW	2.1											2.1	3.0
WSW			1.4	.7								2.1	12.0
W	2.1	1.4										3.5	3.8
WNW	1.4	.7	2.1									4.3	5.7
NW	.7	.7		.7								2.1	6.0
NNW	.7	2.1	2.1									5.0	6.7
VARBL													
CALM												48.9	
	26.2	16.3	7.1	1.4								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03806  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

06  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0		1.4									6.4	3.8
NNE	2.1	.7										2.8	2.5
NE													
ENE	.7											.7	2.0
E	1.4											1.4	1.5
ESE	1.4	1.4	.7									3.5	4.0
SE		.7										.7	5.0
SSE	2.1	1.4	.7									4.3	3.5
S	4.3	3.5	.7									8.5	3.8
SSW	.7	3.5										4.3	4.2
SW	2.1	1.4	.7									4.3	4.5
WSW	.7	.7	.7		.7							2.8	7.8
W		.7	.7									1.4	6.5
WNW	.7	1.4	1.4									3.5	5.6
NW	1.4	1.4	2.1									5.0	5.4
NNW		.7	1.4									2.1	6.7
VARB												48.2	
CALM												100.0	2.3
	22.7	17.7	19.6		.7								

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.3	1.4									7.8	4.7
NNE	2.1	.7										2.8	3.5
NE	2.1	.7										2.8	3.3
ENE	2.8											2.8	2.5
E	1.4	1.4	.7									3.5	4.0
ESE	5.0	2.1										7.1	2.9
SE	5.7	1.4										7.1	2.7
SSE	2.1	.7										2.8	2.8
S	4.3	2.1	3.5	.7								10.6	5.3
SSW	1.4	1.4	1.4									4.3	4.7
SW	.7	2.8	2.1	.7								6.4	6.1
WSW	.7	1.4	.7	2.8								5.7	8.4
W	1.4	3.5	1.4									6.4	5.0
WNW		.7	2.8									3.5	8.6
NW		2.8	1.4									4.3	5.8
NNW	1.4	.7	4.3									6.4	6.3
VARBL													
CALM												15.6	
	33.3	27.0	19.9	4.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.5	2.8									7.9	5.5
NNE	1.4	2.1										3.5	3.8
NE	2.1											2.1	2.3
ENE	.7	.7										1.4	3.5
E	1.4											1.4	2.0
ESE	3.5	1.4										5.0	3.1
SE	3.5	5.0	2.8									11.3	4.6
SSE	2.8	1.4	.7									5.0	3.3
S	3.5	2.8	3.5	.7								10.6	5.6
SSW		2.1	5.0	.7								7.8	7.7
SW		4.3	2.8									7.1	6.9
WSW		1.4	5.7	.7								7.8	8.7
W	2.1	.7	2.8	1.4								7.1	7.6
WNW		2.1	6.4	1.4								9.9	8.1
NW	.7	.7	.7									2.1	5.0
NNW	.7	2.8	3.5									7.1	6.4
VARBL													
CALM												2.8	
	24.1	31.2	36.9	5.0								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

141

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.8	1.4									7.1	4.6
NNE	2.8	.7										3.5	2.8
NE	1.4											1.4	2.5
ENE	.7	.7										1.4	3.0
E	.7											.7	2.0
ESE	2.8	2.1										5.0	3.1
SE	.7	3.5	.7									5.0	5.0
SSE	1.4	4.3	.7									6.4	5.1
S	3.5	5.7	2.8	1.4								13.5	6.0
SSW	.7	5.0	4.3	.7								10.6	6.5
SW	.7	1.4	1.4									3.5	6.0
WSW	1.4	.7	5.7	.7								8.5	7.6
W	.7	2.1	3.5	1.4								7.8	7.5
WNW	.7	1.4	4.3		.7							7.1	7.8
NW		1.4	4.3									5.7	8.0
NNW		2.8	3.5									6.4	6.6
VARBL													
CALM												6.4	
	21.3	34.8	32.6	4.3	.7							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

HERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.1	.7									6.4	3.2
NNE	3.5											3.5	1.8
NE	3.5	.7										4.3	2.8
ENE	.7											.7	2.0
E	.7	2.1										2.8	3.8
ESE	3.5	.7										4.3	2.7
SE	2.8		.7									3.5	3.2
SSE	4.3		1.4									5.7	3.8
S	5.7	2.1	1.4	.7								9.9	4.4
SSW	1.4		.7	.7								2.1	6.3
SW	.7	.7	.7									2.1	4.7
WSW	1.4		.7									2.1	4.0
W	2.1	.7	2.1	.7								5.7	6.3
WNW	2.8	2.8	.7									6.4	3.9
NW	.7	2.8	.7	.7								5.0	6.4
NNW	.7	.7	2.8									4.3	6.0
VARBL													
CALM												31.2	
	38.3	15.6	12.1	2.8								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

FEB

MONTH

21

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	.7									5.0	4.4
NNE	2.1											2.1	2.0
NIE	.7											.7	1.0
ENE	.7	.7										1.4	2.5
E	2.1	.7										2.8	2.8
ESE	1.4		.7									2.1	4.0
SE		2.8										2.8	4.5
SSE	3.5	.7	2.1									6.4	4.2
S	2.8	4.3	.7	.7								8.3	4.7
SSW	.7		2.1									2.8	8.3
SW			.7									.7	8.0
WSW													
W	.7	.7	2.1									3.5	7.0
WNW		2.1	2.1									4.3	6.2
NW	.7	2.8	2.1									5.7	6.1
NNW	2.1	2.8	1.4	.7								7.1	5.7
VARBL												44.0	
CALM												100.0	2.8
	19.9	19.9	14.9	1.4									

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	1.2									6.3	4.3
NNE	2.1	.6										2.7	2.7
NE	1.2	.2										1.4	2.7
ENE	.8	.4										1.2	2.9
E	1.4	.7	.1									2.2	3.0
ESE	2.2	1.2	.4									3.7	3.5
SE	1.9	2.0	.5									4.4	4.0
SSE	2.7	1.3	.8									4.9	3.9
S	4.3	4.0	1.9	.5								10.6	4.7
SSW	1.0	2.1	1.7	.4								5.1	5.9
SW	.6	1.4	1.2	.1								3.5	5.7
WSW	.5	.3	2.0	.7	.3							4.1	8.7
W	1.4	1.3	1.6	.5								4.9	6.3
WNW	.8	1.5	2.5	.3	.1							5.1	6.7
NW	.7	1.6	1.6	.2								4.3	6.1
NNW	1.2	1.8	2.7	.1								5.9	6.0
VARBL												29.3	
CALA												100.0	3.6
	25.9	23.2	18.2	2.7	.4								

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.6									3.9	4.5
NNE	1.3											1.3	2.5
NE	.6	.6										1.3	4.0
ENE	1.9	1.9										1.9	4.0
E	1.9	1.3										3.2	3.4
ESE	.6	2.6										3.2	3.6
SE	2.6	1.9	2.6									7.1	4.6
SSE	1.9	1.9	4.5	.6								9.0	6.6
S	3.2	4.5	5.8									13.5	5.5
SSW	.6	.6	.6									1.3	7.0
SW	.6											.6	2.0
WSW	.6		.6									1.3	5.0
W			1.3									1.3	10.0
WNW	.6	1.3	.6	.6								3.2	6.4
NW	1.3		.6									1.9	4.7
NNW	1.9	.6										2.6	2.8
VARBL													
CALM												43.2	
	19.4	18.7	17.4	1.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.6	1.9									8.4	4.2
NNE	1.3											1.3	2.5
NE	.6	1.3										1.9	4.0
ENE													
E	1.9	1.3										3.2	3.0
ESE	1.3	2.6	.6									4.5	4.4
SE	1.9	2.6		.6	.6							5.8	6.8
SSE	2.6	1.9										4.5	3.3
S	1.9	5.8	1.9									9.7	4.9
SSW		1.9	.6									2.6	6.0
SW													
WSW	1.3		1.9									3.2	5.0
W	2.6		1.3	.6								4.5	5.7
WNW	.6	1.3										1.9	4.3
NW	1.3		.6									1.9	4.0
NNW	.6		3.2									3.9	7.0
VARBL													
CALM												42.6	
	21.9	21.3	12.3	1.3	.6							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.5
NNE	1.3	.6	.6									2.6	4.3
N E	1.3											1.3	2.5
ENE	1.3	.6										1.9	2.7
E	1.3	2.6										3.9	3.8
ESE	4.5	2.6	.6									7.7	3.3
SE	1.9	1.3		.6								3.9	4.7
SSE	3.9	2.6	.6									7.1	3.7
S	2.6	3.9										6.5	3.7
SSW	.6	.6										1.3	4.0
SW		.6	.6									1.3	5.5
WSW		1.3										1.3	5.0
W	1.3	1.9	1.3	.6								5.2	5.6
WNW	1.9	.6		.6								3.2	4.6
NW		1.3	.6	.6								2.6	7.0
NNW	1.3	2.6	.6									4.5	4.9
VARBL													
CALM												43.2	
	23.9	25.2	5.2	2.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

09

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	2.6									6.5	5.5
NNE	1.3	1.3	1.3									3.9	4.3
NE	.6	1.9										2.6	4.3
ENE	2.6	2.6										5.2	3.8
E	2.6	5.2	.6									8.4	4.3
ESE	3.2	3.2	1.3									7.7	4.4
SE	1.9	3.9	.6									6.5	4.2
SSE	3.2	1.3	.6									5.2	2.9
S	2.6	4.3	2.6	.6								10.3	5.8
SSW	2.6	3.9	1.3									7.7	5.1
SW	.6		1.3									1.9	6.0
WSW	.6	1.3	1.3	.6								3.9	6.8
W	1.3	3.2	1.9	1.3								7.7	6.6
WNW	.6	.6	.6	1.3								3.2	8.0
NW	.6	.6	2.6									3.9	7.5
NNW		1.3	.6									1.9	6.7
VARBL													
CALM												13.5	
	26.5	36.8	19.4	3.9								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866 STATION      MERIDIAN, MISSISSIPPI      73-77      YEARS      MAR      MONTH      12      HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	2.6	.6								7.7	6.4
NNE	.6	1.9										2.6	4.5
NE	.6	.6										1.3	4.5
ENE	2.6	2.6										5.2	3.6
E	3.9	4.5										6.4	3.5
ESE	1.3	5.2	1.9									8.4	5.2
SE	1.3	3.2	1.3									5.8	5.3
SSE	.6	1.9	2.6									5.2	6.6
S	1.9	7.7	3.9	.6								14.2	5.9
SSW	1.3	1.3	3.2	1.3								7.1	7.9
SW	.6	3.2	1.3	.6								5.8	5.9
WSW	1.3	1.3	1.3	1.3								5.2	6.9
W	.6	3.9	2.6	.6								7.7	7.0
WNW	1.9		1.9	2.6								6.5	8.9
NW	.6		1.9	1.3								3.9	9.3
NNW	.6	1.3	.6									2.6	5.8
VARB													
CALM												2.6	
	21.9	41.3	25.2	9.0								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS      155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	1.3									5.8	4.9
NNE		1.3	.6									1.9	6.0
NE	.6											1.3	3.5
ENE	1.3	1.9										3.2	3.2
E	2.6	5.2	1.3									9.0	4.2
ESE	1.9	3.2	1.3									6.5	4.7
SE		1.3	2.6									3.9	7.5
SSE	1.9	3.2	1.9	.6								7.7	5.8
S		5.2	6.5									11.6	7.2
SSW	1.3	1.9	7.7	1.3								12.3	7.1
SW	.6	1.3	2.6	.6								5.2	7.3
WSW	.6	.6	1.9	1.3								4.5	8.4
W	.6	3.9	2.6	1.3								8.4	7.5
WNW		1.3	1.3	.6								3.2	8.2
NW		1.3	1.9	1.3								4.5	8.0
NNW	1.3	1.9										3.2	4.2
VARB													
CALM												7.7	
	14.8	36.8	33.5	7.1								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5											4.3	1.9
NNE	2.6	1.3										3.9	2.7
NE	3.2											3.2	1.8
ENE	1.9											1.9	1.3
E	3.2	1.3		.6								5.2	3.6
ESE	4.5	2.6	.6									7.7	3.3
SE	1.9	2.6	1.9									6.3	4.8
SSE	1.9	1.9	.6	.6								5.2	3.9
S	1.9	4.5	3.2									9.7	5.4
SSW	2.6		.6									3.2	3.2
SW	1.9	.6										2.6	3.3
WSW	1.3		1.3									2.6	4.5
W	1.3	1.3	2.6									5.2	6.4
WNW	.6	1.9	1.3									3.9	5.0
NW	1.3	1.9	1.3									4.3	5.4
NNW	2.6	1.3	1.9									5.8	4.9
VARB													
CALM												24.3	
	37.4	21.3	15.5	1.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	1.3									5.8	4.3
NNE	1.3											1.3	2.5
NE	.6	.6										1.3	3.5
ENE	1.9											1.9	2.3
E	1.9	1.9										3.9	3.2
ESE	1.3	1.3										2.6	3.5
SE	3.9	1.3	1.3									6.5	4.4
SSE	2.6	2.6	.6	.6								6.5	5.3
S	3.2	5.2	5.2	.6	.6							14.8	6.6
SSW													
SW		1.3	.6									1.9	6.7
WSW													
W	.6	1.3	1.3	.6								3.9	6.3
WNW	.6	1.3										1.9	3.3
NW	.6											.6	1.0
NNW		1.3	1.3									2.6	6.3
VARBL													
CALM												44.5	
	21.3	20.0	11.6	1.9	.6							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.9	1.3	.1								5.6	4.7
NNE	1.2	.8	.3									2.3	3.8
NE	1.0	.7										1.8	3.4
ENE	1.5	1.2										2.7	3.2
E	2.4	2.9	.2	.1								5.6	3.8
ESE	2.3	2.9	.8									6.0	4.1
SE	1.9	2.3	1.3	.2	.1							5.7	5.2
SSE	2.3	2.2	1.5	.3								6.3	5.2
S	2.2	5.2	3.6	.2	.1							11.3	5.8
SSW	1.0	1.3	1.8	.3								4.4	6.3
SW	.6	.9	.8	.2								2.4	5.8
WSW	.7	.6	1.0	.4								2.7	6.4
W	1.0	1.9	1.9	.6								5.5	6.7
WNW	.9	1.0	.7	.7								3.4	6.6
NW	.7	.6	1.2	.4								3.0	6.8
NNW	1.0	1.3	1.0									3.4	5.2
VARB.													
CALM												27.7	
	23.4	27.7	17.5	3.5	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0										4.7	3.1
NNE	2.0	.7										2.7	1.8
NE	1.3											1.3	1.0
ENE	.7	.7										1.3	2.5
E		.7										.7	6.0
ESE	4.0	.7	1.3									6.0	3.8
SE	1.3	2.0										3.3	3.0
SSE	2.0	2.0	1.3									5.3	5.0
S	1.3	3.3	3.3									8.0	5.6
SSW		.7	.7									1.3	6.5
SW		.7										.7	6.0
WSW	.7											.7	2.0
W	3.3		.7	.7								4.7	4.6
WNW	.7	2.0	.7	.7								4.0	6.0
NW	1.3	.7										2.0	3.3
NNW		.7										.7	4.0
VARBL													
CALA												52.7	
	21.3	16.7	8.0	1.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

03  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.0	.7									6.0	3.8
NNE	.7											.7	2.0
NE	1.3											1.3	2.5
ENE	1.3											1.3	1.5
E	.7	1.3	.7									2.7	4.8
ESE	3.3	.7										4.0	2.7
SE	.7	2.0	1.3									4.0	5.5
SSE	2.0	1.3	.7									4.0	3.7
S	2.7	3.3										6.0	3.6
SSW	.7	.7	2.0									2.7	7.0
SW	.7	.7										1.3	2.5
WSW	1.3		.7									2.0	3.7
W	.7	1.3										2.0	3.3
WNW	.7		.7	.7								2.0	7.3
NW	.7	.7	.7									2.0	5.0
NNW	1.3	1.3										2.7	4.5
VARBL													
CALM												55.3	
	21.3	15.3	7.3	.7								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

150



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME  
**MERIDIAN, MISSISSIPPI**  
APR MONTH  
06 HOUR (L.S.T.)

YEARS  
73-77  
ALL WEATHER CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.7	.7									6.0	3.7
NNE	1.3											1.3	1.5
NE	.7											.7	2.0
ENE		.7										.7	4.0
E	2.0	.7										2.7	2.3
ESE	4.0	1.3										5.3	2.9
SE	2.7	2.7										5.3	3.6
SSE	1.3	2.7	.7									4.7	4.4
S	.7	1.3	.7									2.7	5.5
SSW		.7										.7	4.0
SW	2.0											2.0	2.3
WSW			.7									.7	8.0
W	3.3											3.3	1.8
WNW	1.3	.7	.7									2.7	4.0
NW	2.0		.7									2.7	4.3
NNW	.7											.7	2.0
VARB													
CALM												58.0	
	24.7	13.3	4.0									100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE NC

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.3	.7									6.7	4.0
NNE	2.7	.7	.7									4.0	3.7
NE	2.7	2.0	.7									5.3	4.3
ENE	2.7	1.3										4.0	2.7
E	5.3	2.0	1.3									8.7	3.5
ESE	5.3	1.3	.7									7.3	3.4
SE	3.3	4.0	.7									8.0	4.5
SSE	4.7	2.0	2.0									8.7	4.1
S	2.0	2.0	3.3	.7								8.0	5.7
SSW	2.7	.7	2.0									5.3	5.3
SW	1.3	2.0	2.0									5.3	5.5
WSW		.7	.7									1.3	7.5
W	2.0	.7	4.0	.7								7.3	6.6
WNW	.7	2.0	.7									3.3	5.4
NW		1.3	.7									2.0	7.0
NNW	1.3		1.3	.7								3.3	6.0
VARBL													
CALM												11.3	
	39.3	26.0	21.3	2.0								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.0	.7									6.7	4.5
NNE	2.0	2.7	.7									5.3	4.1
NE		1.3										1.3	5.5
ENE	1.3	1.3										2.7	3.5
E	4.7	6.0										10.7	3.6
ESE	2.7	4.7	.7									8.0	4.3
SE	3.3	4.0	2.0	.7								10.0	5.3
SSE	2.7	4.0	2.7									9.3	5.1
S	4.7	1.3	2.0	.7								8.7	4.7
SSW	2.0	4.0	1.3									7.3	5.1
SW	.7		2.0	.7								3.3	8.0
WSW	.7	1.3	2.0									4.0	6.8
W	.7	3.3	2.0	.7								6.7	6.9
WNW	2.7	4.0	2.0	.7								9.3	5.4
NW		.7	.7	.7								2.0	9.0
NNW		2.0	1.3									3.3	7.0
VARBL													
CALM												1.3	
	30.0	44.7	20.0	4.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION  
03866

STATION NAME  
MERIDIAN, MISSISSIPPI

YEARS  
73-77

MONTH  
APR

CLASS  
ALL WEATHER

HOURS (L.S.T.)  
15

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	6.4
NNE	2.7	2.0		.7								5.3	4.3
NE	2.0	1.3										3.3	3.4
ENE	.7											.7	3.0
E	3.3	1.3										4.7	2.3
ESE	4.0	2.7	.7									7.3	3.7
SE	4.7	8.0	2.0	.7								15.3	4.7
SSE	.7	2.0										2.7	3.8
S	3.3	2.0	.7	2.0								8.0	5.8
SSW	2.7	2.7	2.0	.7								8.0	5.5
SW		2.0	.7									2.7	5.8
WSW	2.7	2.7	.7									6.0	4.3
W	4.0	1.3	6.7	1.3								13.3	6.4
WNW	.7	3.3	1.3									5.3	5.8
NW	.7	.7	.7	.7								2.7	7.3
NNW		3.3	2.0									5.3	6.0
VARBL													
CALM												6.0	
	32.7	36.7	18.7	6.0								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

APR  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	4.0										9.3	3.2
NNE	1.3											1.3	1.0
NE	.7											.7	2.0
ENE		1.3										1.3	5.0
E	2.0	.7										2.7	2.8
ESE	3.3	.7	.7									4.7	3.0
SE	4.7	.7	.7									6.0	3.4
SSE	2.7	2.0	.7									5.3	3.6
S	3.3	2.7	2.7									8.7	4.8
SSW		2.7										2.7	5.8
SW	2.0											2.0	2.3
WSW													
W	2.0	4.0	.7	.7								7.3	4.8
WNW	3.3	1.3	1.3									6.0	4.1
NW	1.3	.7	1.3									3.3	5.6
NNW	2.7	1.3										4.0	2.7
VARBL													
CALA												34.7	
	34.7	22.0	8.0	.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	.7										5.3	2.4
NNE	1.3											1.3	1.5
NE	.7											.7	1.0
ENE													
E	1.3	1.3	.7									3.3	3.8
ESE	.7	.7	.7									2.0	4.7
SE	3.3	2.7										6.0	3.3
SSE	2.0	1.3	2.0									5.3	4.8
S	2.0	3.3		.7								6.0	5.2
SSW	.7		1.3									1.3	8.5
SW	.7											.7	2.0
WSW	.7	.7										1.3	3.5
W	2.0	.7	.7									3.3	4.6
WNW			1.3									1.3	8.0
NW	.7	2.0	.7									3.3	5.6
NNW	.7	1.3										2.0	4.3
VARB													
CALM												56.7	
	20.7	14.7	7.3	.7								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.5	.5									6.0	3.8
NNE	1.7	.7	.2	.1								2.7	3.2
NE	1.2	.6	.1									1.8	3.4
ENE	.8	.7										1.5	3.1
E	2.4	1.7	.3									4.5	3.4
ESE	3.4	1.6	.6									5.6	3.5
SE	3.0	3.2	.8	.2								7.2	4.4
SSE	2.2	2.2	1.2									5.7	4.4
S	2.5	2.4	1.6	.5								7.0	5.1
SSW	.9	1.5	1.2	.1								3.7	5.7
SW	.9	.7	.6	.1								2.2	5.0
WSW	.7	.7	.6									2.0	5.1
W	2.2	1.4	1.8	.5								6.0	5.5
WNW	1.2	1.7	1.1	.2								4.2	5.4
NW	.8	.8	.7	.2								2.5	5.8
NNW	.8	1.2	.6	.1								2.7	5.0
VARBL													
CALM												34.5	
	28.1	23.7	11.8	1.9								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	.6										5.2	2.9
NNE		1.3										1.3	4.5
NE													
ENE													
E	.6	.6										1.3	3.5
ESE	1.3											1.3	1.5
SE	1.9											1.9	1.3
SSE	3.2	1.9										5.2	2.9
S	2.6											2.6	2.3
SSW	3.2	1.3										4.5	3.0
SW	1.3	.6										1.9	4.0
WSW	1.3											1.3	2.0
W	.6	.6	.6									1.9	3.0
WNW		.6										.6	4.0
NW		.6										.6	6.0
NNW	.6											.6	2.0
VARBL													
CALM												69.7	
	21.3	8.4	.6									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6									2.6	4.5
NNE	.6											.6	3.0
NE													
ENE													
E	1.3											1.3	1.5
ESE	1.9											1.9	2.0
SE	1.9											1.9	2.0
SSE			.6									.6	8.0
S	3.2	1.9										5.2	3.1
SSW	.6											.6	1.0
SW	.6	.6	.6									1.9	5.3
WSW	.6											.6	2.0
W		.6										.6	4.0
WNW	.6	.6	.6									1.9	5.3
NW												.6	2.0
NNW	.6											.6	2.0
VARBL													
CALM												79.4	
	13.5	4.3	2.6									100.0	.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	3.0
NNE													
NE													
ENE	.6	.6										1.3	2.5
E	.6	.6										.6	4.0
ESE	3.2											3.2	2.0
SE	3.2		.6									3.9	3.0
SSE	1.3											1.3	3.0
S	1.3		.6									1.9	4.7
SSW	1.3	.6	1.3									3.2	4.8
SW	1.3	.6										1.9	2.3
WSW	1.9											1.9	2.3
W	1.3	.6										1.9	3.0
WNW	1.3	.6										1.9	2.3
NW		.6	.6									1.3	5.5
NNW													
VARBL													
CALM												72.3	
	19.4	5.2	3.2									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	.6									5.8	4.2
NNE	.6	2.6										3.2	4.2
NE	2.6		.6									3.2	3.0
ENE	2.6		.6									3.2	3.8
E	.6	1.9										2.6	4.0
ESE	2.6	1.9										4.5	3.1
SE	3.9	1.9										5.8	3.2
SSE	3.2	.6	.6									4.5	2.7
S	4.5	3.2	1.9									9.7	4.4
SSW	4.5	1.9	2.6									9.0	4.4
SW	1.9	.6	1.3									3.9	4.8
WSW		2.6	1.9									4.5	6.7
W	3.2	3.2	.6									7.1	3.9
WNW	2.6	2.6	.6									5.8	4.0
NW	.6	1.9	.6									3.2	4.8
NNW	.6	1.9										2.6	5.0
VARBL													
CALM												21.3	
	36.8	29.7	12.3									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.5	.6	.6								9.0	4.5
NNE	1.9	1.9	.6									4.5	4.6
NE	.6	1.3										1.9	3.7
ENE	1.9	1.9	.6									4.5	4.3
E	5.2	1.3	.6									7.1	3.0
ESE	3.2	1.3										4.5	2.6
SE	5.2	1.3										6.5	3.0
SSE	5.8	3.9	.6									10.3	3.8
S	3.9	2.6	1.9									8.4	4.7
SSW	1.9	4.5	1.9									8.4	5.2
SW	.6	2.6	1.3	1.3								5.8	7.2
WSW	.6	3.9	3.2									7.7	5.8
W	.6	3.9	1.3									5.8	5.2
WNW	.6	2.6	.6									3.9	4.8
NW		3.2										3.2	4.8
NNW	1.9	.6										2.6	3.5
VARBL													
CALM												5.8	
	37.4	41.3	13.5	1.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9										3.9	4.2
NNE	3.2	1.3										4.5	2.6
NE			.6									.6	7.0
ENE	.6	1.9	.6									3.2	5.0
E	5.2	1.3										6.5	2.5
ESE	3.2	1.9	.6									5.8	3.4
SE		3.2										3.2	4.6
SSE	2.6	4.5	1.9									9.0	4.3
S	3.9	4.5	1.3	.6								10.3	4.6
SSW	1.9	2.6	1.3									5.8	4.6
SW	.6	5.2	2.6									8.4	5.7
WSW	2.6	1.9	1.3	.6								6.5	4.8
W	2.6	3.9	2.6									9.0	4.9
WNW	1.3	2.6	1.9									5.8	5.3
NW		1.9	.6	.6								3.2	8.0
NNW	.6	1.9										2.6	4.3
VARB													
CALM												11.6	
	30.3	40.6	15.5	1.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

ALL WEATHER  
CLASS

MAY  
MONTH

18  
HOURS (L.S.T.)

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.4
NNE	1.3	.6										1.9	2.0
NE	1.9											1.9	1.7
ENE	1.3											1.3	2.0
E	1.9	.6										2.6	2.3
ESE	3.9	3.2										7.1	3.2
SE	2.6	.6										3.2	2.0
SSE	3.9	1.3										5.2	2.5
S	1.9	1.9										3.9	3.2
SSW	1.3	1.9										3.2	3.8
SW	1.3		.6									1.9	4.3
WSW	3.2	.6	.6									4.5	3.4
W	3.2	1.3	.6									5.2	3.6
WNW	3.9	1.9	.6									6.5	3.9
NW	1.9	1.3										3.2	2.8
NNW	1.9	2.6										4.5	3.7
VARBL													
CALM												40.6	
	38.1	18.7	2.6									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

155



**UNCLASSIFIED**

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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8											5.8	1.8
NNE	.6											.6	1.0
NE													
ENE	1.3											1.3	2.0
E	2.6	.6										3.2	2.2
ESE	3.2	1.3										4.5	2.4
SE	1.9	.6										2.6	2.3
SSE		1.9										1.9	4.7
S	3.2	1.3										4.5	3.0
SSW	3.2	.6										3.9	2.3
SW													
WSW	.6	.6	.6									.6	9.0
W		.6	.6	.6								1.3	3.5
WNW												.6	8.0
NW	.6	.6										1.3	3.0
NNW	.6	.6										1.3	3.5
VARBL													
CALM												66.5	
	23.9	8.4	1.3									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.5	.2	.1								4.8	3.5
NNE	1.0	1.0	.1									2.1	3.5
NE	.6	.2	.2									1.0	3.2
ENE	1.0	.6	.2									1.9	3.8
E	2.2	.9	.1									3.1	2.8
ESE	2.8	1.2	.1									4.1	2.8
SE	2.6	1.0	.1									3.6	2.9
SSE	2.5	1.8	.5									4.8	3.6
S	3.1	1.9	.7	.1								5.8	4.0
SSW	2.3	1.7	.9	.2								4.9	4.2
SW	1.0	1.3	.8	.1								3.2	5.4
WSW	1.3	1.1	1.0	.1								3.5	4.9
W	1.5	1.9	.7									4.1	4.4
WNW	1.3	1.5	.6									3.4	4.5
NW	.4	1.3	.2	.1								2.0	5.0
NNW	.9	1.0										1.9	3.8
VARBL													
CALM												45.9	
	27.6	19.6	6.5	.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7										2.7	2.3
NNE	.7	.7										1.3	3.0
NE													
NNE													
E	2.7	.7										3.3	2.0
ESE	1.3											1.3	2.0
SE	.7	.7										1.3	4.0
SSE	2.0	.7										2.7	2.8
S	2.0	.7										2.7	2.5
SSW		.7										.7	5.0
SW	.7											.7	1.0
WSW	2.0											2.0	1.7
W													
WNW													
NW	.7											.7	2.0
NNW	.7											.7	2.0
VARBL													
CALM												80.0	
	15.3	4.7										100.0	.5

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

03  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.7									2.7	4.0
NNE													
NE													
ENE	.7											.7	2.0
E		.7			.7							1.3	12.5
ESE	1.3			.7								2.0	5.0
SE	1.3	.7										2.0	2.0
SSE	.7	1.3										2.0	3.7
S	.7											.7	2.0
SSW	2.0											2.0	2.0
SW		.7										.7	4.0
WSW	.7											.7	3.0
W	1.3											1.3	1.0
WNW													
NW													
NNW	2.0											2.0	2.0
VARBL												82.0	
CALM													
	12.0	4.0	.7	.7	.7							100.0	.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.7
NNE	.7											.7	2.0
NE													
ENE	1.3		.7									2.0	3.7
E	1.3											1.3	1.5
ESE	2.7											2.7	1.0
SE	.7	1.3										2.0	3.7
SSE	.7	.7										1.3	3.5
S	.7	.7										1.3	4.0
SSW	1.3											1.3	2.0
SW	.7	1.3										2.0	3.7
WSW	3.3	.7										4.0	2.0
W	.7											.7	1.0
WRW													
NW	.7											.7	1.0
NNW	2.0	.7										2.7	2.8
VARBL													
CALM												75.3	
	18.0	6.0	.7									100.0	.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.0	.7									6.7	3.4
NNE	1.3											1.3	1.5
NE	2.7											2.7	2.0
ENE	2.7	.7										3.3	2.4
E	4.0	.7	.7									5.3	3.4
ESE	3.3	1.3										4.7	3.3
SE	1.3	1.3	.7									3.3	4.2
SSE	3.3	.7	.7									4.7	3.0
S	2.0	.7										2.7	3.5
SSW	4.7	2.0	.7									7.3	3.2
SW	3.3	2.7	.7									6.7	3.9
WSW	4.0	4.0	2.0									10.0	4.3
W	4.0	7.3	.7									12.0	4.2
WNW	.7	4.0										4.7	3.9
NW	2.0	1.3										3.3	3.4
NNW	2.7	1.3										4.0	2.8
VARBL													
CALM												17.3	
	46.0	30.0	6.7									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.7										6.0	3.4
NNE	3.3	1.3										4.7	2.4
NE	.7	.7										1.3	2.5
ENE	2.0	1.3										3.3	2.6
E	1.3	5.3	.7									7.3	4.5
ESE	2.7	2.0										4.7	3.1
SE	2.0	.7	.7									3.3	3.0
SSE	3.3	2.7										6.0	3.3
S	7.3	1.3	1.3									10.0	3.3
SSW	.7	2.7										3.3	4.6
SW	4.0	4.0	2.0									10.0	4.2
WSW	2.7	4.0	.7									7.3	4.0
W	4.0	6.0	1.3									11.3	4.2
WNW	2.0	4.0	.7									6.7	4.6
NW	2.0	.7										2.7	2.8
NNW	.7	1.3	2.0	.7								4.7	6.6
VARBL													
CALA												7.3	
	42.0	40.7	9.3	.7								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	.7									4.0	5.2
NNE	.7	1.3										2.0	3.7
NE	1.3											1.3	2.5
ENE	4.7	2.7										7.3	2.7
E	2.7	3.3										6.0	3.2
ESE	5.3	.7										6.0	2.2
SE	.7	1.3										2.0	4.7
SSE	6.7	.7										7.3	2.3
S	3.3	1.3	.7									5.3	3.5
SSW	2.0	2.7										4.7	3.3
SW	2.0	4.0	1.3									7.3	4.5
WSW	2.7	2.7	1.3									6.7	4.1
W	2.0	4.7	1.3									8.0	4.3
WNW	3.3	2.7	.7									6.7	4.0
NW	1.3	3.3	.7									5.3	4.8
NNW	.7	4.0	.7									3.3	5.0
VARBL													
CALM												14.7	
	40.0	38.0	7.3									100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.3	1.3									6.7	3.2
NNE	2.0											2.0	2.0
NE	1.3											1.3	2.0
ENE	3.3											3.3	2.0
E	2.7	.7										3.3	2.0
ESE	2.7											2.7	1.5
SE	1.3	.7										2.0	3.3
SSE	2.7	1.3										4.0	2.7
S	2.7											2.7	2.0
SSW	1.3											1.3	1.5
SW	3.3	1.3										4.7	2.9
WSW	4.0	1.3										5.3	2.9
W	2.0	.7										2.7	2.5
WNW	1.3	2.0										3.3	3.2
NW	2.0	.7										2.7	3.3
NNW	.7											.7	2.0
VARB.													
CALM												51.3	
	37.3	10.0	1.3									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0											2.0	2.3
NNE	.7	.7										1.3	2.5
NE	.7											.7	2.0
ENE	.7	1.3										2.0	4.3
E	4.0	1.3										5.3	2.9
ESE	1.3	1.3										2.7	3.0
SE	.7	1.3										2.0	3.0
SSE	1.3											1.3	1.0
S													
SSW													
SW													
WSW	1.3											1.3	1.5
W	1.3											1.3	2.5
WNW	.7											.7	1.0
NW	.7											.7	2.0
NNW	1.3											1.3	2.5
VARBL													
CALM												77.3	
	16.7	6.0										100.0	.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.3	.4									4.1	3.5
NNE	1.2	.3										1.7	2.5
NE	.8	.1										.9	2.2
ENE	1.9	.7	.1									2.7	2.8
E	2.3	1.6	.2		.1							4.2	3.5
ESE	2.6	.7		.1								3.3	2.7
SE	1.1	1.0	.2									2.2	3.5
SSE	2.6	1.0	.1									3.7	2.8
S	2.3	.6	.2									3.2	3.2
SSW	1.5	1.0	.1									2.6	3.2
SW	1.7	1.7	.5									4.0	3.9
WSW	2.6	1.6	.5									4.7	3.5
W	1.9	2.3	.4									4.7	3.9
WNW	1.0	1.6	.2									2.7	3.9
NW	1.2	.7	.1									2.0	3.5
NNW	1.3	.9	.3	.1								2.7	4.0
VARBL													
CALM												50.7	
	28.4	17.4	3.2	.2	.1							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE	.6											.6	2.0
NE													
ENE													
E	3.2	.6										3.9	2.5
ESE													
SE	.6											.6	3.0
SSE													
S	1.9	1.3										3.2	3.0
SSW	1.3											1.3	2.5
SW	1.3											1.3	2.0
WSW	1.3											1.3	3.0
W	1.9											1.9	1.3
WNW	.6		.6									1.3	6.0
NW													
NNW		.6										.6	4.0
VARBL													
CALM												82.6	
	14.2	2.6	.6									100.0	.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.5
NNE													
NE													
ENE	1.3											1.3	1.5
E	1.9	.6										2.6	2.0
ESE													
SE	.6	.6										1.3	3.0
SSE													
S	1.3											1.3	1.5
SSW	1.9											1.9	1.3
SW	1.9	.6										2.6	2.8
WSW	.6											.6	2.0
W	3.2											3.2	2.4
WNW													
NW													
NNW													
VARBL													
CALM												83.9	
	13.5	2.6										100.0	.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

STATION NAME  
MERIDIAN, MISSISSIPPI

YEARS  
73-77

JUL  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	3.0
NNE													
NE													
ENE	1.3											1.3	1.5
E													
ESE	1.3											1.3	2.0
SE													
SSE	.6											.6	1.0
S	1.9											1.9	1.7
SSW	.6											.6	1.0
SW													
WSW	1.9	.6										2.6	2.5
W	1.9											1.9	2.0
WNW	.6											.6	1.0
NW													
NNW	.6											.6	3.0
VARBL													
CALM												86.5	
	12.9	.6										100.0	.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.4
NNE	1.9											1.9	2.3
NE													
ENE	.6											.6	2.0
E	3.2	.6	.6									4.5	2.9
ESE	3.9	.6										4.5	2.0
SE	2.6											2.6	2.5
SSE	2.6											2.6	2.0
S	2.6	.6										3.2	2.0
SSW	7.1											7.1	2.1
SW	1.9	2.6										4.5	3.3
WSW	3.9	5.2	.6									9.7	3.8
W	6.5	6.5	1.3									14.2	3.8
WNW	5.2	1.9	.6									7.7	3.3
NW	3.2											3.2	2.4
NNW	4.5	.6										5.2	2.4
VARBL													
CALM												25.2	
	52.3	19.4	3.2									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8											5.8	2.0
NNE	2.6	.6										3.2	2.4
NE	1.3											1.3	3.0
ENE	3.2											3.2	1.8
E	7.1	1.3										8.4	2.2
ESE	5.2											5.2	1.9
SE	1.3	1.9										3.2	3.8
SSE	.6	.6										1.3	3.0
S	4.5	2.6										7.1	3.3
SSW	3.9	3.2										7.1	3.1
SW	2.6	4.5										7.1	4.0
WSW	3.2	3.2	2.6									9.0	4.5
W	3.2	7.7	.6									11.6	4.3
WNW	4.5	1.9	1.9									8.4	3.8
NW	1.3	1.3	1.3									3.9	5.2
NNW	3.2	1.9										5.2	3.0
VARBL													
CALM												9.0	
	53.5	31.0	6.5									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	.6	.6									7.1	2.9
NNE	1.3											1.3	2.5
NE	3.2	.6										3.9	2.2
ENE	3.2	.6										3.9	2.7
E	3.2	.6	.6									4.5	3.4
ESE	3.2	1.9	.6									5.8	3.7
SE	1.9	1.3	.6									3.9	4.3
SSE	3.9											3.9	1.7
S	3.2	1.9	.6									5.8	3.6
SSW	4.5	1.9										6.5	3.0
SW	3.2	4.5	1.9									9.7	4.3
WSW	2.6	4.5	.6									7.7	4.5
W	3.9	5.2	.6									9.7	4.1
WNW	1.9	1.3	.6									3.9	3.7
NW	1.9	1.9	.6									4.5	3.9
NNW	.6	5.2	.6									6.5	4.6
VARBL													
CALM												11.6	
	47.7	32.3	4.4									100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155



# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6										3.9	2.3
NNE	1.3											1.3	1.5
NE		.6										.6	4.0
ENE	1.9	.6										2.6	2.3
E	3.9		.6									4.5	3.3
ESE	1.9											1.9	2.0
SE	.6	1.3										1.9	3.3
SSE	3.2	.6										3.9	2.2
S	5.2	.6		.6								6.5	3.4
SSW	3.9	1.3										5.2	2.5
SW	1.3	3.2										4.5	4.0
WSW	3.2	.6										3.9	2.7
W	5.8	1.9										7.7	2.8
WNW	.6	1.9										2.6	3.8
NW	1.3		.6									1.9	3.7
NNW	.6											.6	3.0
VARB.													
CALM												46.5	
	38.1	13.2	1.3	.6								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	3.0
NNE	1.3											1.3	1.0
NE													
NNE	.6	.6										1.3	3.5
E	3.2											3.2	1.4
ESE	1.3	.6										1.9	3.0
SE	2.6	.6										3.2	2.6
SSE	1.9	.6										2.6	2.3
S	1.9											1.9	1.7
SSW	1.9	.6										2.6	3.3
SW	1.3											1.3	2.0
WSW	.6	1.3										1.9	3.7
W	3.2	.6										3.9	2.3
WNW	.6											.6	1.0
NW	.6											.6	3.0
NNW													
VARB													
CALA												72.3	
	22.6	5.2										100.0	.7

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	.3	.1									3.2	2.6
NNE	1.1	.1										1.2	2.1
NE	.6	.2										.7	2.6
ENE	1.5	.2										1.8	2.2
E	3.2	.3	.2									4.0	2.6
ESE	2.1	.4	.1									2.6	2.5
SE	1.3	.7	.1									2.1	3.3
SSE	1.6	.2										1.9	2.0
S	2.8	.9	.1	.1								3.9	2.9
SSW	3.1	.9										4.0	2.6
SW	1.7	1.9	.2									3.9	3.7
WSW	2.2	1.9	.5									4.6	3.8
W	3.7	2.7	.3									6.8	3.5
WNW	1.8	.9	.3									3.1	3.6
NW	1.0	.4	.3									1.8	3.8
NNW	1.2	1.0	.1									2.3	3.4
VARB												52.2	
CALM												100.0	1.5
	31.9	13.4	2.3	.1									

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	1.5
NNE	.6											.6	2.0
NE													
NNE													
E	1.9	.6										2.6	2.5
ESE	.6											.6	1.0
SE	.6	.6										1.3	3.5
SSE	1.9											1.9	2.3
S	1.3											1.3	1.5
SSW	.6											.6	2.0
SW													
WSW													
W													
WNW													
NW													
NNW	1.3											1.3	3.0
VARB													
CALM												88.4	
	10.3	1.3										100.0	.3

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9											3.9	1.8
NNE	1.3											1.3	1.5
NE													
ENE	.6											.6	3.0
E	.6											.6	1.0
ESE													
SE	.6											.6	1.0
SSE	.6	.6										1.3	3.0
S	.6											.6	2.0
SSW	.6											.6	3.0
SW													
WSW													
W	.6											.6	2.0
WNW													
NW													
NNW	1.3											1.3	2.5
VARBL													
CALM												88.4	
	11.0	.6										100.0	.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE													
NE													
ENE													
E													
ESE													
SE		.9										.6	4.0
SSE													
S	.6											.6	1.0
SSW													
SW													
WSW	.6											.6	2.0
W	.6											.6	1.0
WNW	.6											.6	2.0
NW	.6											.6	1.5
NNW	1.3											1.3	
VARBL												94.2	
CALM												100.0	.1
	5.2	.9											

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9										4.5	3.1
NNE	2.6											2.6	2.0
NE	1.9											1.9	1.3
ENE	1.9											1.9	1.7
E	8.4		1.3									9.7	2.5
ESE	1.3	1.3										2.6	3.3
SE	2.6											2.6	1.5
SSE	5.8	1.3										7.1	2.5
S	4.5											4.5	1.9
SSW	2.6		.6									3.2	3.6
SW	2.6	1.3										3.9	3.3
WSW	4.5	1.3										5.8	2.8
W	5.2	.6										5.8	2.4
WNW	3.9											3.9	2.5
NW	3.2											3.2	2.0
NNW	2.6	1.3										3.9	3.5
VARB													
CALM												32.9	
	56.1	9.0	1.9									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

12  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.9	.6									8.4	3.7
NNE	1.9	1.3										3.2	3.8
NE	3.9		.6									4.5	3.0
ENE	3.2	.6										3.9	2.0
E	4.5	.6										5.2	1.9
ESE	5.8	.6	.6	.6								7.7	3.7
SE	1.9	.6										2.6	3.0
SSE	3.9	1.3										5.2	3.3
S	5.2	5.2	.6									11.0	3.4
SSW	7.1	1.9	1.3									10.3	3.1
SW	2.6		.6									3.2	3.6
WSW	1.9	1.3										3.2	3.0
W	1.9	1.9										3.9	3.8
WNW	2.6											2.6	1.8
NW	1.9	.6										2.6	2.3
NNW	3.9	1.3	.6									5.8	2.6
VARB													
CALM												16.8	
	56.1	21.3	5.2	.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	4.5	1.3									12.3	4.0
NNE	1.9											1.9	2.3
NE	3.2											3.2	2.0
ENE	5.2	1.9										7.1	2.6
E	9.7	1.3										11.0	2.2
ESE	1.3	1.3	1.3									3.9	5.2
SE	1.9	3.2	1.9									7.1	4.5
SSE	5.8	.6	.6									7.1	2.8
S	5.8	2.6										8.4	3.0
SSW	4.5											4.5	2.1
SW	1.3	.6										1.9	2.3
WSW	.6	.6	.6									1.9	4.7
W	4.5											4.5	2.0
WNW		1.3										1.3	4.0
NW	1.9	.6										2.6	3.0
NNW	1.9	1.3										3.2	3.8
VARBL													
CALM												18.1	
	56.1	20.0	5.8									100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866 STATION      MERIDIAN, MISSISSIPPI      STATION NAME      YEARS      MONTH      HOURS (L.S.T.)

73-77      ALL WEATHER      CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2											3.2	2.6
NNE	2.6											2.6	1.5
NE	1.9	.6										2.6	2.8
ENE	2.6											2.6	2.0
E	4.5	1.3										5.8	2.4
ESE	.6	2.6										3.2	3.6
SE	1.9	.6										2.6	2.5
SSE	3.2	.6	.6									4.5	3.4
S	1.3	1.3	1.9									4.5	5.9
SSW	.6	.6										1.3	3.0
SW	.6	1.3										1.9	4.3
WSW	.6	.6										1.3	4.0
W		.6										.6	5.0
WNW	1.3											1.3	2.0
NW		.6										.6	5.0
NNW	1.9											1.9	1.0
VARB													
CALM												59.4	
	27.1	11.0	2.6									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS      155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6											2.6	1.5
NNE	1.9	.6										2.6	2.3
NE													
ENE													
E	1.3	.6										1.9	2.3
ESE	1.3											1.3	1.5
SE	.6		.6									1.3	5.0
SSE	1.9	.6										2.6	2.5
S	1.3											1.3	1.0
SSW													
SW	.6											.6	1.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												85.8	
	11.6	1.9	.6									100.0	.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.3	.2									4.7	3.2
NNE	1.6	.2										1.9	2.3
NE	1.4	.1	.1									1.5	2.4
ENE	1.7	.3										2.0	2.3
E	3.9	.6	.2									4.6	2.3
ESE	1.4	.7	.2	.1								2.4	3.7
SE	1.3	.7	.3									2.3	3.4
SSE	2.9	.6	.2									3.7	2.9
S	2.6	1.1	.3									4.0	3.2
SSW	2.0	.3	.2									2.6	2.9
SW	1.0	.4	.1									1.5	3.3
WSW	1.0	.5	.1									1.5	3.3
W	1.6	.4										2.0	2.7
WNW	1.0	.2										1.2	2.3
NW	1.0	.2										1.2	2.5
NNW	1.8	.5	.1									2.3	2.8
VARBL													
CALM												60.5	
	29.2	8.4	2.0	.1								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.3	2.0										9.3	2.6
NNE	.7	.7	.7									2.0	5.0
NE													
ENE	3.3											3.3	1.8
E	4.0	.7	.7									5.3	2.8
ESE	.7											.7	1.0
SE													
SSE		.7										.7	4.0
S	.7	1.3										2.0	3.7
SSW													
SW	.7											.7	3.0
WSW													
W	.7	.7										1.3	3.0
WNW	2.0	.7										2.7	3.3
NW	.7											.7	2.0
NNW	2.7		.7									3.3	3.2
VARBL													
CALM												68.0	
	23.3	6.7	2.0									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	2.7	.7									10.0	2.8
NNE	3.3											3.3	1.4
NE													
ENE	1.3	.7										2.0	2.3
E	4.0	.7										4.7	2.1
ESE	1.3	.7										2.0	3.0
SE	1.3											1.3	2.0
SSE													
S	1.3											1.3	2.0
SSW	.7											.7	3.0
SW	.7		.7									1.3	4.5
WSW													
W	1.3	.7										2.0	3.3
WNW	2.0	.7										2.7	3.0
NW	.7											.7	1.0
NNW	.7	.7										1.3	3.0
VARBL													
CALA												66.7	
	25.3	6.7	1.3									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

STATION NAME

73-77

YEARS

SEP

MONTH

06

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3	.7									5.3	3.4
NNE	5.3	.7										6.0	1.8
NE	2.0	.7										2.7	3.0
ENE	.7	.7	.7									2.0	4.7
E	4.7	2.0										6.7	2.6
ESE	.7	.7										1.3	4.0
SE													
SSE	1.3											1.3	2.0
S	.7											.7	2.0
SSW													
SW													
WSW	1.3	.7										2.0	3.0
W	1.3											1.3	1.0
WNW	.7	.7										1.3	2.5
NW	2.0	.7										2.7	2.3
NNW	1.3	.7	.7									2.7	3.3
VARBL													
CALA												64.0	
	25.3	8.7	2.0									100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.0	1.3									10.0	3.6
NNE	4.7	2.7										7.3	3.1
NE	4.7	.7										5.3	2.8
ENE	.7											.7	1.0
E	10.0	6.0	.7									16.7	3.5
ESE	4.0	1.3										5.3	2.3
SE	4.0	.7										4.7	2.1
SSE	1.3											1.3	1.0
S	4.7		1.3									6.0	3.1
SSW	1.3	.7										2.0	2.7
SW		.7										.7	4.0
WSW	2.7	1.3										4.0	2.5
W	2.7	2.7	.7									6.0	4.0
WNW	1.3	.7	.7									2.7	4.8
NW	2.7	1.3										4.0	3.5
NNW	2.0											2.0	2.3
VARB													
CALM												21.3	
	51.3	22.7	4.7									100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

150



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866 STATION      MERIDIAN, MISSISSIPPI      STATION NAME      YEARS      SEP MONTH      12 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.3	4.0	.7									12.0	3.3
NNE	1.3	.7										2.0	3.0
NE	2.7	2.7										5.3	3.1
ENE	4.0	.7										4.7	2.6
E	8.0	6.0	1.3									15.3	3.7
ESE	2.7	.7										3.3	2.8
SE	2.7	.7										3.3	3.0
SSE	6.0	2.0										8.0	2.7
S	2.0	2.0	.7									4.7	3.4
SSW	1.3	2.0										3.3	3.6
SW	2.0	.7	.7									3.3	4.0
WSW	3.3	2.7										6.0	3.3
W		1.3	1.3									2.7	6.3
WNW	.7	4.0	1.3									6.0	5.3
NW	.7	2.0	.7	.7								4.0	6.3
NNW	2.0	4.7	.7									7.3	3.9
VARB													
CALM												8.7	
	46.7	36.7	7.3	.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS      150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.7	4.7										13.3	2.9
NNE	2.7	1.3										4.0	3.3
NE	4.0	2.0										6.0	2.8
ENE	4.7	.7	.7									6.0	2.8
E	9.3	3.3	.7	.7								14.0	3.2
ESE	2.0	.7										2.7	2.3
SE	3.3											3.3	2.4
SSE	2.7	.7	.7									4.0	3.5
S	5.3	2.0	1.3									8.7	3.6
SSW	2.0	2.0	.7									4.7	3.9
SW	2.0	1.3										3.3	3.2
WSW	1.3	1.3										2.7	3.8
W	3.3	2.0										5.3	3.0
WNW	1.3	2.0	2.0									5.3	3.3
NW	2.0	1.3	.7									4.0	3.8
NNW	.7	1.3	2.0									4.0	6.5
VARBL													
CALM												8.7	
	55.3	26.7	6.7	.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	2.7										8.7	2.7
NNE	2.0											2.0	2.0
NE	2.0		.7									2.7	3.0
ENE	2.0											2.0	1.7
E	5.3		.7									6.0	2.4
ESE	3.3	.7										4.0	2.5
SE	.7											.7	2.0
SSE	1.3	.7										2.0	3.3
S	1.3		.7									2.0	3.7
SSW	1.3	.7										2.0	3.3
SW	.7											.7	1.0
WSW				.7								.7	12.0
W	2.7	1.3										4.0	2.5
WNW	.7	.7	.7									2.0	6.0
NW	1.3	.7										2.0	2.7
NNW	3.3		.7									4.0	2.8
VARBL													
CALM												54.7	
	34.0	7.3	3.3	.7								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.3										5.3	3.1
NNE	3.3	1.3										4.7	2.7
NE	1.3											1.3	1.5
ENE	1.3											1.3	2.5
E	3.3	.7	.7									4.7	3.4
ESE	1.3	.7										2.0	2.0
SE	1.3											1.3	1.5
SSE	2.7											2.7	2.0
S	.7	.7										1.3	3.0
SSW	.7											.7	3.0
SW		.7										.7	4.0
WSW													
W													
WNW	1.3	.7										2.0	2.3
NW	2.7											2.7	1.5
NNW	1.3	1.3										2.7	4.0
VARBL													
CALM												66.7	
	25.3	7.3	.7									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	2.8	.4									9.2	3.0
NNE	2.9	.9	.1									3.9	2.7
NE	2.1	.7	.1									2.9	2.8
ENE	2.2	.3	.2									2.7	2.5
E	6.1	2.4	.6	.1								9.2	3.2
ESE	2.0	.7										2.7	2.5
SE	1.7	.2										1.8	2.3
SSE	1.9	.5	.1									2.5	2.7
S	2.1	.7	.5									3.3	3.3
SSW	.9	.7	.1									1.7	3.5
SW	.7	.4	.2									1.3	3.6
WSW	1.1	.7		.1								1.9	3.5
W	1.5	1.1	.2									2.8	3.5
WRW	1.2	1.2	.6									3.1	4.4
NW	1.6	.7	.2	.1								2.6	3.5
NNW	1.7	1.1	.6									3.4	3.8
VARBL													
CALM												44.8	
	35.8	15.3	3.7	.2								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	3.6	.6									8.4	3.3
NNE	.6	.6										1.3	2.5
NE													
ENE													
E	3.9											3.9	2.2
ESE	1.3											1.3	2.5
SE	.6	.6										1.3	3.0
SSE	1.3											1.3	1.0
S	1.3	.6										1.9	3.3
SSW													
SW	.6											.6	2.0
WSW	1.3											1.3	1.5
W	.6	.6										1.3	3.0
WNW		1.3	1.3									2.6	6.3
NW	1.9	.6										2.6	2.5
NNW	3.2			.6								3.9	3.5
VARBL													
CALM												68.4	
	21.3	7.7	1.9	.6								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

OCT  
MONTH

03  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	1.9		.6								8.4	3.2
NNE	1.3	.6										1.9	2.7
NE	.6											.6	2.0
ENE	.6											.6	1.0
E	2.6											2.6	1.8
ESE	1.3											1.3	2.5
SE		1.3										1.3	5.0
SSE	1.3											1.3	1.5
S	1.9	.6										2.6	2.8
SSW	.6	.6										1.3	3.5
SW		.6										.6	4.0
WSW		.6										.6	5.0
W	1.9	.6										2.6	2.8
WNW	3.2	.6										3.9	3.0
NW	1.9	.6	.6									3.2	4.2
NNW	1.9	1.9										3.9	3.3
VARBL													
CALM												63.2	
	25.2	10.3	.6	.6								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME YEARS 73-77 MONTH OCT HOURS (U.S.T.) 06

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.9										7.1	2.5
NNE	1.9											1.9	1.7
NE	.6	.6										1.3	3.5
ENE	.6											.6	2.0
E	3.2	.6										3.9	2.0
ESE	1.3											1.3	3.0
SE	.6	.6										1.3	4.0
SSE	1.3											1.3	1.5
S	1.3											1.3	2.0
SSW													
SW	1.3	.6										1.9	3.3
WSW		.6										.6	4.0
W	2.6											2.6	1.8
WNW		.6	.6									1.3	7.5
NW	3.2	1.3	.6									5.2	3.6
NNW	1.9	.6	.6									3.2	3.2
VARB													
CALM												65.2	
	25.2	7.7	1.9									100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DCT  
MONTH

09  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	3.9	1.3									11.6	3.4
NNE	2.6	1.9	1.3									5.8	4.2
NE	1.9	1.3										3.2	3.6
NNE	3.9		.6									4.5	2.7
E	5.8	4.5										10.3	3.3
ESE	5.2	1.9										7.1	3.0
SE	3.9	.6										4.5	2.4
SSE	1.3	.6										1.9	3.0
S	1.9											1.9	2.0
SSW	2.6	.6										3.2	2.6
SW	2.6		.6									3.2	2.8
WSW	1.9											1.9	1.3
W	3.2	.6	.6									4.5	3.0
WNW	1.3	1.9	.6									3.9	4.5
NW	.6	.6	1.3									2.6	5.8
NNW	1.9	3.2										5.2	3.8
VARBL													
CALM												24.5	
	47.1	21.9	6.5									100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.9	.6									10.3	3.3
NNE	5.8	.6										6.5	2.2
NE	2.6											2.6	2.0
ENE	3.9	.6										4.5	2.3
E	6.5	1.3										7.7	2.3
ESE	3.2		1.9									5.2	4.3
SE	2.6	3.2										5.8	3.4
SSE	4.5	1.9										6.5	2.7
S	4.5	1.9	.6									7.1	2.9
SSW	.6											.6	3.0
SW	3.2	.6										3.9	2.7
WSW	2.6	.6	1.3									4.5	4.6
W	2.6	2.6	2.6									7.7	5.0
WNW	.6	2.6	1.9									5.2	5.4
NW		3.2	1.9									5.2	6.5
NNW	1.9	2.6	3.9	.6								9.0	6.1
VARBL													
CALM												7.7	
	51.0	25.8	14.8	.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.2	1.3	.6								11.6	5.0
NNE	1.3	1.3	1.3									3.9	5.2
NE	2.6											2.6	1.3
ENE	3.9	1.3										5.2	3.0
E	9.7	.6										10.3	2.5
ESE	6.5	.6										7.1	2.1
SE	3.9	1.9										5.8	2.7
SSE	1.9	2.6										4.5	3.4
S	1.3	1.9										3.2	2.8
SSW	1.9											1.9	2.0
SW	1.3	1.9										3.2	4.0
WSW	1.9	1.9										3.9	3.5
W	1.3	1.9	2.6									5.8	5.8
WNW	.6	3.2	.6									4.5	4.9
NW	1.3	1.9	1.3	.6								5.2	5.8
NNW	3.9	4.5	3.9									12.3	5.3
VARBL													
CALM												9.0	
	47.7	31.0	11.0	1.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	1.9	.6									7.1	3.1
NNE	2.6											2.6	1.8
NE	1.3											1.3	2.0
ENE	2.6											2.6	1.8
E	3.2	1.3										4.5	2.6
ESE	2.6											2.6	2.0
SE	2.6											2.6	1.8
SSE													
S													
SSW													
SW	1.3											1.3	1.0
WSW													
W	1.9	.6										2.6	2.5
WNW	.6											.6	1.0
NW	1.9	1.9	.6									4.5	4.0
NNW	2.6	2.6	.6									5.8	4.4
VARB													
CALM												61.9	
	27.7	8.4	1.9									100.0	1.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	3.2										9.7	2.8
NNE		.6										.6	4.0
NE	.6											.6	1.0
ENE	1.3											1.3	1.0
E	2.6	1.3										3.9	2.3
ESE	3.2	1.3										4.5	2.4
SE	.6											.6	2.0
SSE													
S		.6										.6	5.0
SSW													
SW													
WSW													
W	1.3	.6	.6									2.6	4.5
WNW	1.3											1.3	2.5
NW	1.9		.6									2.6	3.8
NNW	1.9	.6	.6									3.2	3.6
VARBL												68.4	
CALM												100.0	.9
	21.3	8.4	1.9										

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	3.1	.6	.2								9.3	3.4
NNE	2.0	.7	.3									3.1	3.2
NE	1.3	.2										1.5	2.4
ENE	2.1	.2	.1									2.4	2.4
E	4.7	1.2										5.9	2.5
ESE	3.1	.5	.2									3.8	2.8
SE	1.9	1.0										2.9	2.9
SSE	1.5	.6										2.1	2.6
S	1.5	.7	.1									2.3	2.8
SSW	.7	.2										.9	2.6
SW	1.3	.5	.1									1.9	3.0
WSW	1.0	.5	.2									1.6	3.5
W	1.9	1.0	.8									3.7	4.0
WNW	1.0	1.3	.6									2.9	4.7
NW	1.6	1.3	.9	.1								3.9	4.7
NNW	2.4	2.0	1.2	.2								5.8	4.6
VARB													
CALM												46.0	
	33.3	15.2	5.1	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

03866  
STATION

MERIDIAN, MISSISSIPPI

STATION NAME

73-77

YEARS

NOV

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.7										6.7	3.1
NNE	1.3											1.3	2.0
NE	1.3											1.3	2.0
ENE		.7										.7	3.0
E	1.3	.7										2.0	2.3
ESE	.7	2.0										2.7	3.8
SE	1.3	.7										2.0	3.0
SSE	1.3	3.3										4.7	3.9
S	6.0	1.3										7.3	2.7
SSW	.7		.7									1.3	4.0
SW	.7	.7										1.3	4.0
WSW	.7											.7	3.0
W	2.7	1.3	.7									4.7	3.7
WNW	.7	1.3										2.0	3.7
NW	.7	.7	1.3									2.7	6.5
NNW	3.3	.7										4.0	2.3
VARBL													
CALM												54.7	
	26.7	16.0	2.7									100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

03  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0										4.7	3.1
NNE	.7	1.3										2.0	3.7
NE	.7											.7	2.0
ENE		.7										.7	6.0
E	2.0											2.0	3.0
ESE	2.7	2.0										4.7	2.7
SE	2.0	1.3										3.3	3.2
SSE	4.0	.7										4.7	2.0
S	1.3	1.3										2.7	3.5
SSW	.7	1.3										2.0	3.7
SW		.7	.7									1.3	7.0
WSW	1.3											1.3	2.5
W	2.0	.7										2.7	2.5
WNW	2.7	.7	.7									4.0	3.3
NW	.7	2.0	1.3									4.0	4.8
NNW	2.3	.7	.7									4.7	3.4
VARB													
CALA												54.7	
	26.7	15.3	3.3									100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

150



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3										4.7	2.6
NNE	.7	.7										1.3	4.0
NE	.7											.7	2.0
ENE	.7											.7	2.0
E	2.0											2.0	1.3
ESE	4.0	1.3										5.3	2.8
SE	2.0											2.0	2.0
SSE	4.0	.7										4.7	2.3
S	2.0	1.3	.7									4.0	4.0
SSW	.7											.7	2.0
SW													
WSW	2.7											2.7	2.3
W	4.7		1.3									6.0	3.2
WNW	2.0	1.3										3.3	3.4
NW	.7	.7	.7									2.0	5.0
NNW	4.0	.7	1.3									6.0	3.9
VARB													
CALM												54.0	
	34.0	8.0	4.0									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	2.7									6.0	4.9
NNE	4.7	2.0	1.3									8.0	3.9
NE	.7	1.3										2.0	3.3
ENE	1.3	.7	.7									2.7	3.8
E	5.3	1.3										6.7	2.8
ESE	4.7	2.7	.7									8.0	3.3
SE	7.3	.7										8.0	2.2
SSE	2.0	2.7										4.7	3.4
S	5.3	1.3										6.7	2.9
SSW	3.3	.7										4.0	2.8
SW	1.3	1.3										2.7	2.8
WSW	1.3	1.3	.7									3.3	4.8
W	2.0	1.3	.7									4.0	4.0
WNW		2.0	2.0									4.0	6.7
NW	.7	2.7	2.0									5.3	6.1
NNW	3.3	2.0	1.3									6.7	4.0
VARB													
CALM												17.3	
	45.3	25.3	12.0									100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME 73-77 YEARS NOV NORTH

CLASS ALL WEATHER HOURS (L.S.T.) 12

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	1.3	1.3									6.0	4.2
NNE	2.0	1.3										3.3	3.2
NE	2.7	2.0										4.7	3.6
ENE	2.0	1.3	.7									4.0	3.7
E	4.0	.7										4.7	1.9
ESE	2.0	2.7										4.7	3.4
SE	4.7	2.0	1.3									8.0	3.8
SSE	6.7	2.0	.7									9.3	3.4
S	3.3	2.7	2.0	.7								8.7	5.1
SSW	1.3	4.7	3.3									9.3	5.7
SW	1.3	.7										2.0	2.7
WSW		2.7	.7									3.3	5.8
W	2.0	2.7	1.3									6.0	4.6
WNW	.7	2.0	2.0	.7								5.3	7.3
NW	2.0		3.3	1.3								6.7	7.3
NNW	2.0	1.3	4.7	.7								8.7	6.6
VARBL													
CALM												5.3	
	40.0	30.0	21.3	3.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.0	2.7									8.7	4.5
NNE	2.0	.7										2.7	2.8
NE	2.7											2.7	2.0
ENE	2.7	1.3										4.0	3.0
E	4.7	.7										5.3	1.9
ESE	4.0	2.7	.7									7.3	3.5
SE	7.3	2.7	.7									10.7	3.1
SSE	2.7	2.7										5.3	3.6
S	4.7	1.3	2.0									8.0	4.0
SSW	.7	3.3	.7									4.7	4.7
SW	1.3	1.3	.7									3.3	4.4
WSW	3.3	.7		.7								4.7	3.9
W		1.3	2.0	2.0								5.3	8.6
WNW	1.3	2.7	3.3									7.3	6.4
NW	1.3	2.0	4.0									7.3	6.3
NNW	3.3	.7	2.0									6.0	5.0
VARBL												6.7	
CALA												100.0	4.1
	46.0	26.0	18.7	2.7									

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	2.0										8.0	2.4
NNE	1.3	.7										2.0	2.3
NE	1.3											1.3	2.0
ENE	1.3											1.3	2.0
E	6.0											6.0	1.6
ESE	4.7	1.3										6.0	1.8
SE	4.0	1.3										5.3	2.8
SSE	.7	.7										1.3	4.5
S	1.3	1.3	.7									3.3	4.8
SSW	.7											.7	1.0
SW													
WSW	2.0											2.0	2.7
W	2.0	1.3	.7									4.0	3.8
WNW	2.0	1.3	1.3	.7								5.3	5.5
NW	3.3	2.0	.7									6.0	3.8
NNW	2.0	2.0										4.0	3.3
VARBL													
CALM												43.3	
	36.7	14.0	3.3	.7								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.0	.7									6.7	3.3
NNE	1.3											1.3	2.5
NE													
ENE													
E	3.3											3.3	1.8
ESE	4.7											4.7	2.0
SE	2.7	2.0	.7									5.3	3.3
SSE		2.0										2.0	6.0
S	4.0	2.0	.7									6.7	3.2
SSW	.7	1.3										2.0	3.0
SW	.7											.7	1.0
WSW													
W	1.3	2.0	.7									4.0	4.5
WNW	.7	2.7	.7									4.0	5.2
NW	2.0	.7	.7									3.3	4.0
NNW	3.3	2.7	.7									6.7	3.6
VARBL													
CALM												49.3	
	28.7	17.3	4.7									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.8	.9									6.4	3.6
NNE	1.7	.8	.2									2.7	3.3
NE	1.2	.4										1.7	2.8
ENE	1.0	.6	.2									1.7	3.4
E	3.6	.4										4.0	2.1
ESE	3.4	1.8	.2									5.4	2.9
SE	3.9	1.3	.3									5.6	3.0
SSE	2.7	1.8	.1									4.6	3.4
S	3.5	1.6	.7	.1								5.9	3.8
SSW	1.1	1.4	.6									3.1	4.4
SW	.7	.6	.2									1.4	3.8
WSW	1.4	.6	.2	.1								2.2	3.9
W	2.1	1.3	.9	.2								4.6	4.5
WNW	1.2	1.7	1.2	.2								4.4	5.5
NW	1.4	1.3	1.7	.2								4.7	5.6
NNW	3.1	1.3	1.3	.1								5.8	4.3
VARB													
CALM												35.7	
	35.7	19.0	8.7	.8								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

00  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	.6		.6								6.5	3.8
NNE		.6										.6	4.0
NE	.6											.6	1.0
ENE	.6			.6								1.3	6.0
E	2.6	1.9										4.5	3.6
ESE	4.5	1.9										6.5	3.2
SE	2.6	.6										3.2	1.8
SSE	1.3	1.9										3.2	4.0
S	.6	2.6	1.3									4.5	5.7
SSW	1.3	.6	1.9									3.9	5.8
SW			.6									.6	8.0
WSW	1.3											1.3	2.0
W	1.9	1.3	1.9									5.2	5.3
WNW		1.9		.6								2.6	6.3
NW	.6	1.3	1.3	1.3								4.5	7.6
NNW	1.9	3.2	.6									5.8	4.1
VARB													
CALM												45.2	
	25.2	18.7	7.7	3.2								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

03

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE	1.3	.6										1.9	2.7
NE													
ENE	.6											.6	1.0
E	3.9	1.3										5.2	2.4
ESE	4.5	.6										5.2	2.4
SE	2.6	.6										3.2	3.0
SSE	1.9	.6	.6									3.2	3.8
S	1.9	1.9										3.9	4.5
SSW	.6	.6	.6									1.9	4.0
SW		.6										.6	5.0
WSW			1.3									1.3	7.0
W	1.9	1.3	1.9									5.2	4.4
WNW	1.3	1.3	.6	.6								3.9	5.7
NW	.6	4.5	1.9									7.1	5.3
NNW	1.3	1.9	1.9									5.2	5.9
VARBL												50.3	
CALM												100.0	2.1
	23.9	16.1	9.0	.6									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

06  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6	1.9									5.8	4.2
NNE													
NE	.6											.6	3.0
ENE	.6											.6	1.0
E	3.2	1.9										5.2	3.4
ESE	.6	1.9										2.6	3.8
SE	2.6	1.3										3.9	3.3
SSE	1.3	.6										1.9	3.7
S	1.9	1.3										3.2	3.8
SSW	1.9	.6	1.3									3.9	4.2
SW		.6										.6	6.0
WSW		1.3	.6									1.9	6.0
W	3.9	3.9	.6									8.4	3.8
WNW	1.3	.6										1.9	3.0
NW	.6	.6	1.9									3.2	6.2
NNW	1.3	1.9	1.3									4.5	4.7
VARBL													
CALM												51.6	
	23.2	17.4	7.7									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

09

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	1.3									7.1	4.6
NNE	1.3	.6										1.9	3.3
NE		.6										.6	3.0
ENE	1.9	1.9										3.9	3.2
E	5.2	2.6	.6									8.4	2.8
ESE	3.2	1.9										5.2	3.0
SE	3.2	1.3	.6									5.2	3.6
SSE	1.9	.6										2.6	2.3
S	4.5	1.3										5.8	3.0
SSW	1.3	.6	1.3									3.2	3.6
SW	1.3	1.3	1.3									3.9	5.2
WSW			1.9	.6								2.6	9.5
W	1.9	3.9	2.6	.6								9.0	5.6
WNW	.6	2.6	1.9	.6								5.8	6.7
NW	.6	2.6	.6	.6								4.5	6.1
NNW	1.9	1.3	3.2									6.5	5.7
VARB													
CALM												23.9	
	31.6	26.5	15.5	2.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

12  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.6	.6								4.5	5.0
NNE	2.6											2.6	2.3
NE	.6												
ENE	1.3	1.3	.6									2.6	5.0
E	1.9	2.6	.6									5.2	3.9
ESE	4.5	2.6										7.1	2.9
SE	3.9	1.3										5.2	2.9
SSE	1.9	2.6										4.5	3.3
S	1.9	4.5	3.9									10.3	5.3
SSW	1.3	3.2	3.9									8.4	6.2
SW	.6	.6	1.3	1.3								3.2	9.8
WSW	1.3	1.9	1.3	.6								5.2	5.9
W	3.9	1.9	3.9	2.6								12.3	7.2
WNW	.6	3.2	2.6	1.3								7.7	7.6
NW		3.2	3.9	.6								7.7	7.0
NNW	1.9	2.6	1.9									6.5	5.6
VARBL													
CALM												7.1	
	28.4	32.9	24.5	7.1								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

15  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	.6	2.6									7.1	4.9
NNE	2.6		.6									3.2	2.8
NE	1.9											1.9	2.3
ENE	1.9											1.9	2.0
E	1.9	1.3										3.2	2.8
ESE	4.5	2.6										7.1	2.6
SE	3.9	3.2										7.1	3.7
SSE		2.6	1.3									3.9	5.5
S	2.6	3.2	3.9									9.7	5.5
SSW	1.3	1.9	2.6									5.8	6.1
SW	.6	1.9	1.3									3.9	5.7
WSW	.6	2.6	4.5									7.7	6.9
W	.6	2.6	3.9	1.3								8.4	7.3
WNW	1.3	1.9	3.2	.6								7.1	6.9
NW	.6	1.3	3.9									5.8	6.2
NNW	1.9	1.3	3.2									6.5	5.4
VARB													
CALM												9.7	
	30.3	27.1	31.0	1.9								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

18  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.6										5.8	3.7
NNE	1.9											1.9	1.7
NE	1.9											1.9	1.3
ENE	2.6											2.6	1.5
E	7.1	1.9	.6									9.7	3.1
ESE	3.9	1.3										5.2	2.4
SE	2.6											2.6	1.8
SSE	1.9	1.9	.6									4.5	4.1
S	1.9	.6	.6									3.2	3.8
SSW	.6	.6	.6									1.9	4.7
SW													
WSW	1.3		.6									1.9	4.7
W	1.9	1.9	1.3	.6								5.8	5.1
WNW	.6	.6	.6									1.9	6.0
NW	5.2	1.9	1.3									8.4	4.0
NNW	2.6	1.9	1.9									6.5	4.5
VARBL													
CALA												36.1	
	39.4	15.5	8.4	.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

21  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.6									4.5	3.3
NNE													
NE	.6	.6										1.3	3.0
ENE	1.3											1.3	1.0
E	3.9	.6										4.5	2.9
ESE	2.6	1.9										4.5	3.1
SE	1.3	.6										1.9	3.3
SSE	1.9	.6	1.3									3.9	4.8
S	1.3	2.6	.6									4.5	4.9
SSW	.6	.6	.6									1.9	5.0
SW	.6	.6	.6									1.9	5.3
WSW	.6	.6	.6									1.3	2.5
W		.6	1.3									1.9	7.3
WNW	2.6	2.6	2.6									7.7	5.1
NW	1.3	1.9	1.9									5.2	5.5
NNW	.6	1.9	1.3									3.9	5.6
VARBL													
CALA												49.7	
	21.9	17.4	11.0									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.3	.9	.2								5.3	4.2
NNE	1.2	.2	.1									1.5	2.6
NE	.7	.2										.9	2.4
ENE	1.3	.4	.1	.1								1.9	2.9
E	3.7	1.8	.2									5.7	3.1
ESE	3.5	1.9										5.4	2.9
SE	2.8	1.1	.1									4.0	3.1
SSE	1.5	1.5	.5									3.5	4.0
S	2.1	2.3	1.3									5.6	4.8
SSW	1.1	1.1	1.6									3.9	5.5
SW	.3	.7	.6	.2								1.9	6.5
WSW	.6	.8	1.3	.2								2.9	6.2
W	2.0	2.2	2.2	.6								7.0	5.8
WNW	1.0	1.9	1.5	.5								4.8	6.2
NW	1.2	2.2	2.1	.3								5.8	5.8
NNW	1.7	2.0	1.9									5.6	5.2
VARBL												34.2	
CALM												100.0	3.1
	28.0	21.5	14.4	2.0									

TOTAL NUMBER OF OBSERVATIONS

1240



# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 03866 MERIDIAN, MISSISSIPPI STATION NAME YEARS 73-77 ALL MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.0	.7	.1								6.4	3.7
NNE	1.7	.6	.1	.0								2.5	2.9
NE	1.1	.3	.0									1.5	2.9
ENE	1.4	.5	.1	.0								2.0	2.9
E	3.2	1.3	.2	.0	.0							4.7	3.0
ESE	2.6	1.2	.2	.0								4.1	3.2
SE	2.2	1.3	.3	.0	.0							3.9	3.6
SSE	2.2	1.3	.4	.0								3.9	3.7
S	2.6	2.0	1.0	.1	.0							5.7	4.4
SSW	1.4	1.2	.8	.1								3.5	4.7
SW	1.0	1.0	.5	.1								2.5	4.7
WSW	1.1	.9	.7	.1	.0							2.9	5.0
W	1.9	1.6	1.0	.2	.0							4.6	4.9
WNW	1.2	1.3	.9	.2	.0							3.5	5.3
NW	1.0	1.1	.9	.2								3.2	5.4
NNW	1.5	1.4	1.0	.1								4.0	4.8
VARB													
CALM												41.3	
	29.6	19.1	8.8	1.3	.1							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 14608

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.3	1.1	.1								7.2	4.0
NNE	1.9	.4	.1									2.4	2.7
NE	1.2	.6	.0									1.8	3.0
ENE	1.5	.8	.1	.0								2.5	3.1
E	3.2	1.6	.2	.1	.0							5.2	3.4
ESE	2.5	1.8	.3									4.6	3.5
SE	2.6	1.0	.4	.0								4.7	3.7
SSE	2.4	1.6	.2	.1								4.3	3.7
S	2.1	2.1	.6		.0							4.9	4.2
SSW	1.2	.9	.6	.1								2.8	4.5
SW	.6	.6	.4	.0								1.6	4.8
WSW	.6	.7	.5	.1	.0							1.9	5.5
W	1.5	1.0	.7	.1								3.3	4.5
WNW	1.0	.8	1.1	.1								2.9	5.7
NW	1.1	1.2	1.2	.2								3.8	5.7
NNW	1.7	2.1	1.6	.2								5.5	5.4
VARB													
CALM												40.5	
	28.8	20.1	9.2	1.2	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

2487

DIRNAVOCEANMET SMOS



NWSD, Federal Building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than  $\frac{6}{10}$  total sky cover and those cases where total sky cover is  $\frac{6}{10}$  or more, but not more than  $\frac{1}{2}$  of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$
NO CEILING												
$\geq 1800$												
$\geq 1500$					91.0							92.6
$\geq 1200$												
$\geq 1000$												
$\geq 900$												
$\geq 800$												
$\geq 700$												
$\geq 600$												
$\geq 500$										97.4		98.1
$\geq 400$												
$\geq 300$												
$\geq 200$												
$\geq 100$												
0					95.4	96.9		98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

**NOTE: # 1:** Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

**NOTE: # 2:** Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

### OKTAS

0  
1  
2  
3  
4  
5  
6  
7  
8 (or obscured)

### TENTHS

0  
1  
3  
4  
5  
6  
8  
9  
10



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

00  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	47.1	47.1	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7	49.7
≥ 20000	5.2	49.0	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6
≥ 18000	5.2	49.7	49.7	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3	52.3
≥ 16000	5.2	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9
≥ 14000	5.2	50.3	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9
≥ 12000	5.2	51.6	51.6	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	54.2	54.2
≥ 10000	5.2	54.2	54.2	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 9000	5.2	54.8	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4
≥ 8000	5.2	58.1	58.1	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7
≥ 7000	5.2	58.1	58.1	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7
≥ 6000	5.2	60.0	60.0	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2
≥ 5000	5.2	61.9	62.6	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 4500	5.2	61.9	62.6	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 4000	5.2	62.6	63.9	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5	66.5
≥ 3500	5.2	63.2	64.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1
≥ 3000	5.2	63.9	65.2	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7	67.7
≥ 2500	5.2	64.5	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4
≥ 2000	5.2	65.8	67.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.0	71.0
≥ 1800	5.2	65.8	67.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.0	71.0
≥ 1500	5.2	69.0	71.6	72.3	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.8	74.8
≥ 1200	5.2	71.0	73.6	74.8	76.1	76.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1
≥ 1000	5.2	73.6	77.4	80.0	81.3	81.9	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 900	5.2	73.6	77.4	80.0	81.3	81.9	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 800	5.2	73.6	77.4	80.0	82.6	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5
≥ 700	5.2	73.6	77.4	80.0	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.8	85.8
≥ 600	5.2	73.6	78.1	80.7	83.9	84.5	85.2	86.5	86.5	86.5	86.5	87.1	87.1
≥ 500	5.2	73.6	78.1	80.7	83.9	84.5	86.5	88.4	88.4	89.0	89.0	89.7	89.7
≥ 400	5.2	73.6	78.1	80.7	83.9	84.5	87.1	89.0	89.0	89.7	89.7	90.3	90.3
≥ 300	5.2	73.6	78.1	80.7	83.9	84.5	87.1	89.0	89.7	91.0	91.0	91.6	91.6
≥ 200	5.2	73.6	78.1	80.7	83.9	84.5	88.4	91.6	92.3	93.6	93.6	94.2	94.2
≥ 100	5.2	73.6	78.1	80.7	83.9	84.5	89.0	92.3	92.9	94.8	94.8	95.5	95.5
≥ 0	5.2	73.6	78.1	80.7	83.9	84.5	89.0	92.3	92.9	94.8	94.8	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	43.9	43.9	45.2
≥ 20000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 18000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 16000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 14000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 12000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 10000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
≥ 9000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
8000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
7000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
6000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
5000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
4500	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
4000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
3500	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
3000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
2500	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
2000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
1800	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
1500	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
1200	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
1000	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
900	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
800	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
700	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
600	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
500	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
400	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
300	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
200	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
100	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5
0	3.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	45.2	45.2	46.5

TOTAL NUMBER OF OBSERVATIONS 153



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	39.4	41.3	41.9	41.9	41.9	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5
≥ 20000	3.2	40.0	41.9	42.6	42.6	42.6	44.5	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.2
≥ 18000	3.2	40.0	41.9	42.6	42.6	42.6	44.5	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.2
≥ 16000	3.2	40.7	42.6	43.2	43.2	43.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8
≥ 14000	3.2	41.3	43.2	43.9	43.9	43.9	45.8	45.8	45.8	45.8	45.8	46.5	46.5	46.5	46.5
≥ 12000	3.2	41.3	43.2	43.9	43.9	43.9	45.8	45.8	45.8	45.8	45.8	46.5	46.5	46.5	46.5
≥ 10000	3.2	43.2	45.8	46.5	46.5	46.5	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0
≥ 9000	3.2	43.9	46.5	47.1	47.1	47.1	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7
≥ 8000	3.2	45.8	48.4	49.7	49.7	49.7	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
≥ 7000	3.2	45.8	48.4	49.7	49.7	49.7	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
≥ 6000	3.2	45.8	48.4	49.7	49.7	49.7	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
≥ 5000	3.2	47.1	49.7	51.0	51.0	51.0	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6
≥ 4500	3.2	47.1	49.7	51.0	51.0	51.0	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6
≥ 4000	3.2	49.0	51.6	52.9	52.9	52.9	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5	55.5
≥ 3500	3.2	49.7	52.3	53.6	53.6	53.6	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1
≥ 3000	3.2	51.0	53.6	54.8	54.8	54.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4
≥ 2500	3.2	52.9	56.1	58.1	58.1	58.1	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7
≥ 2000	3.2	53.6	56.8	58.7	58.7	58.7	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9
≥ 1800	3.2	55.5	58.7	60.7	60.7	60.7	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9
≥ 1500	3.2	60.0	63.9	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	69.0	69.0	69.0	69.0
≥ 1200	3.2	60.7	64.5	67.1	67.1	67.1	71.0	71.0	71.0	71.0	71.0	72.3	72.3	72.3	72.3
≥ 1000	3.2	61.9	66.5	69.7	70.3	70.3	73.6	73.6	73.6	73.6	74.2	74.8	74.8	74.8	74.8
≥ 900	3.2	62.6	68.4	72.3	72.9	72.9	76.8	76.8	76.8	77.4	77.4	78.1	78.1	78.1	78.1
≥ 800	3.2	63.9	69.7	73.6	74.2	74.2	78.7	78.7	78.7	79.4	79.4	80.0	80.0	80.0	80.0
≥ 700	3.2	64.5	70.3	74.8	75.5	75.5	80.7	80.7	80.7	81.3	81.3	81.9	81.9	81.9	81.9
≥ 600	3.2	64.5	71.0	75.5	76.1	76.1	81.9	81.9	81.9	82.6	82.6	83.2	83.2	83.2	83.2
≥ 500	3.2	64.5	71.0	75.5	76.1	76.1	83.9	84.5	84.5	85.2	85.2	85.8	85.8	85.8	85.8
≥ 400	3.2	64.5	71.0	76.1	78.1	78.1	85.2	85.8	85.8	87.1	87.1	87.7	87.7	87.7	87.7
≥ 300	3.2	64.5	71.0	76.1	78.1	78.1	86.5	87.1	87.1	89.7	90.3	91.6	91.6	91.6	91.6
≥ 200	3.2	64.5	71.0	76.1	78.1	78.1	87.7	87.7	87.7	90.3	91.0	92.9	92.9	93.6	94.2
≥ 100	3.2	64.5	71.0	76.1	78.1	78.1	87.7	87.7	87.7	91.0	91.6	94.2	94.2	96.1	97.4
0	3.2	64.5	71.0	76.1	78.1	78.1	87.7	87.7	87.7	91.0	91.6	94.8	94.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

09

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.5	32.9	34.2	36.8	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	4.5	34.8	36.8	39.4	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	4.5	34.8	36.8	39.4	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 16000	4.5	34.8	37.4	40.0	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	4.5	34.8	37.4	40.0	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	4.5	36.1	38.7	42.6	45.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	4.5	38.7	41.3	45.2	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	4.5	39.4	41.9	45.8	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	4.5	40.0	42.6	46.5	49.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 7000	4.5	40.7	44.5	48.4	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	4.5	40.7	44.5	48.4	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	4.5	41.3	45.2	49.0	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4500	4.5	41.3	45.2	49.0	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4000	4.5	43.2	47.1	51.0	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	4.5	43.2	47.1	51.0	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	4.5	45.2	49.0	52.9	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 2500	4.5	46.5	50.3	54.2	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2000	4.5	47.7	51.6	55.5	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 1800	4.5	47.7	52.3	56.1	60.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 1500	4.5	50.3	56.1	60.0	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 1200	4.5	52.3	58.1	61.9	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1000	4.5	54.2	60.7	64.5	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 900	4.5	54.8	61.3	65.2	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 800	4.5	54.8	61.3	65.2	72.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 700	4.5	54.8	61.3	65.8	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 600	4.5	54.8	61.3	65.8	74.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 500	4.5	54.8	61.9	67.1	76.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 400	4.5	55.5	62.6	68.4	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 300	4.5	55.5	62.6	68.4	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 200	4.5	55.5	62.6	68.4	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 100	4.5	55.5	62.6	68.4	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
0	4.5	55.5	62.6	68.4	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	43.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	5.2	47.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	5.2	47.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	5.2	47.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	5.2	47.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	5.2	50.3	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	5.2	54.2	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	5.2	54.2	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
8000	5.2	56.8	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
7000	5.2	58.7	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
6000	5.2	58.7	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
5000	5.2	58.7	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4500	5.2	58.7	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4000	5.2	59.4	62.6	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2
3500	5.2	60.0	63.2	63.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
3000	5.2	60.0	63.2	63.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
2500	5.2	63.9	67.7	68.4	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
2000	5.2	67.1	71.6	72.3	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
1800	5.2	67.1	71.6	72.3	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
1500	5.2	68.4	73.6	74.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7
1200	5.2	68.4	74.2	75.5	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1000	5.2	68.4	74.8	76.1	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
900	5.2	69.0	76.1	77.4	81.3	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
800	5.2	69.7	76.8	78.1	81.9	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2
700	5.2	69.7	76.8	78.1	82.6	83.9	86.5	87.1	87.1	87.1	87.1	87.1	87.1
600	5.2	69.7	76.8	78.7	83.2	84.5	87.7	88.4	88.4	89.0	89.0	89.0	89.0
500	5.2	70.3	77.4	79.4	85.8	87.1	90.3	91.0	91.0	92.3	92.3	92.3	92.3
400	5.2	70.3	77.4	79.4	86.5	88.4	91.6	92.3	92.3	93.6	93.6	93.6	93.6
300	5.2	70.3	77.4	80.0	87.1	89.0	92.3	93.6	93.6	95.5	96.1	96.1	96.1
200	5.2	70.3	77.4	80.0	87.1	89.0	92.3	94.8	94.8	96.8	97.4	97.4	97.4
100	5.2	70.3	77.4	80.0	87.1	89.0	92.3	94.8	94.8	96.8	97.4	97.4	97.4
0	5.2	70.3	77.4	80.0	87.1	89.0	92.3	94.8	94.8	96.8	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

STATION NAME

MONTH

15

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	4.5	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	4.5	51.6	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	4.5	51.6	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	4.5	51.6	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	4.5	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	4.5	54.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	4.5	58.1	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	4.5	58.1	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	4.5	58.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	4.5	60.7	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	4.5	62.6	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	4.5	63.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	4.5	63.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	4.5	63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	4.5	63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	4.5	67.7	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	4.5	71.6	74.2	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	4.5	72.9	75.5	76.8	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	4.5	72.9	75.5	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	4.5	74.2	77.4	79.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	4.5	74.2	77.4	79.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	4.5	74.2	78.1	80.0	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900	4.5	74.2	79.4	81.3	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	4.5	74.8	80.0	81.9	85.2	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	4.5	74.8	80.0	82.6	85.8	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	4.5	74.8	80.0	82.6	85.8	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7
0	4.5	75.5	80.7	83.2	87.1	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

18  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.8	51.0	51.6	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	5.8	53.6	54.2	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	5.8	54.2	54.8	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	5.8	54.8	55.5	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	5.8	54.8	55.5	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	5.8	57.4	58.1	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	5.8	60.7	61.3	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	5.8	61.9	62.6	62.6	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	5.8	63.2	63.9	63.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	5.8	64.5	65.2	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	5.8	64.5	65.2	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	5.8	65.8	66.5	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	5.8	65.8	66.5	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	6.5	68.4	69.0	69.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	6.5	70.3	71.0	71.0	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	6.5	73.6	74.8	74.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	6.5	74.8	76.1	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	6.5	76.1	77.4	78.1	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	6.5	77.4	80.0	80.7	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	6.5	78.7	81.3	82.6	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	6.5	78.7	81.3	83.9	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	6.5	78.7	81.3	83.9	86.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	6.5	78.7	81.3	84.5	87.1	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	6.5	78.7	81.3	84.5	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	6.5	78.7	81.3	84.5	88.4	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	6.5	78.7	81.3	84.5	88.4	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	6.5	78.7	81.3	84.5	88.4	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	6.5	78.7	81.3	84.5	88.4	89.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200	6.5	78.7	81.3	84.5	88.4	89.0	92.9	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100	6.5	78.7	81.3	84.5	88.4	89.0	92.9	94.8	94.8	94.8	94.8	94.8	94.8
≥ 0	6.5	78.7	81.3	84.5	88.4	89.0	92.9	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

YEARS

JAN

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	6.5	49.7	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	53.6
≥ 20000	6.5	51.0	52.3	52.9	53.6	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.8
≥ 18000	6.5	52.3	53.6	54.2	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5	56.1
≥ 16000	6.5	52.9	54.2	54.8	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.8
≥ 14000	6.5	53.6	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8	57.4
≥ 12000	6.5	54.8	56.1	56.8	57.4	57.4	57.4	57.4	57.4	58.1	58.1	58.1	58.7
≥ 10000	6.5	56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	60.0	60.0	60.0	60.7
≥ 9000	6.5	57.4	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	61.3
≥ 8000	6.5	58.7	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	62.6
≥ 7000	6.5	59.4	60.7	61.3	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	63.2
≥ 6000	6.5	59.4	60.7	61.3	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	63.2
≥ 5000	6.5	61.3	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	66.5
≥ 4500	6.5	61.3	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	66.5
≥ 4000	6.5	61.3	64.5	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	67.1
≥ 3500	6.5	61.3	64.5	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	67.1
≥ 3000	6.5	65.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.9
≥ 2500	6.5	67.1	71.0	72.3	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.8
≥ 2000	6.5	69.0	72.9	74.2	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	77.4
≥ 1800	6.5	69.0	72.9	74.2	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	77.4
≥ 1500	6.5	71.6	75.5	77.4	79.4	79.4	79.4	79.4	79.4	80.7	80.7	80.7	81.3
≥ 1200	6.5	72.9	76.8	79.4	81.3	81.3	81.3	81.3	81.3	82.6	82.6	82.6	83.2
≥ 1000	6.5	73.6	78.1	81.9	83.9	83.9	83.9	83.9	83.9	85.2	85.2	85.2	85.8
≥ 900	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 800	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 700	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 600	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 500	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 400	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 300	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 200	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 100	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 0	6.5	74.2	78.7	82.6	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.8	44.1	45.1	45.7	46.4	46.5	46.9	46.9	46.9	46.9	46.9	46.9	47.3
≥ 20000	4.8	46.4	47.5	48.1	48.9	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.8
AI 18000	4.8	46.7	47.8	48.4	49.2	49.4	49.7	49.7	49.7	49.8	49.8	49.8	50.2
AI 16000	4.8	47.1	48.3	48.9	49.7	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.7
AI 14000	4.8	47.4	48.6	49.2	50.0	50.2	50.5	50.5	50.5	50.6	50.6	50.6	51.0
AI 12000	4.8	49.0	50.3	51.1	51.9	52.1	52.4	52.4	52.4	52.5	52.5	52.5	52.9
AI 10000	4.8	51.5	53.0	53.8	54.6	54.8	55.1	55.1	55.1	55.2	55.2	55.2	55.6
AI 9000	4.8	52.2	53.6	54.4	55.2	55.4	55.7	55.7	55.7	55.8	55.8	55.8	56.2
AI 8000	4.8	54.0	55.4	56.3	57.2	57.3	57.7	57.7	57.7	57.7	57.7	57.7	58.2
AI 7000	4.8	54.8	56.5	57.3	58.2	58.5	58.8	58.9	58.9	59.0	59.0	59.0	59.4
AI 6000	4.8	55.3	57.1	58.0	58.9	59.1	59.4	59.5	59.5	59.6	59.6	59.6	60.0
AI 5000	4.8	56.5	58.4	59.3	60.2	60.4	60.8	60.9	60.9	61.0	61.0	61.0	61.4
AI 4500	4.8	56.7	58.6	59.5	60.4	60.7	61.1	61.1	61.1	61.2	61.2	61.2	61.6
AI 4000	4.8	57.9	60.0	61.0	61.9	62.2	62.6	62.7	62.7	62.7	62.7	62.7	63.2
AI 3500	4.8	58.6	60.7	61.6	62.6	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.9
AI 3000	4.8	60.6	62.8	64.0	65.2	65.4	65.8	65.9	65.9	66.1	66.1	66.1	66.5
AI 2500	4.8	62.7	65.2	66.5	67.9	68.2	68.6	68.7	68.7	68.9	68.9	68.9	69.3
AI 2000	4.8	64.2	66.9	68.3	70.0	70.3	70.8	71.0	71.0	71.1	71.1	71.1	71.5
AI 1800	4.8	64.6	67.3	69.0	70.8	71.1	71.6	71.8	72.0	72.0	72.0	72.0	72.4
AI 1500	4.8	67.1	70.5	72.3	74.4	74.8	75.2	75.4	75.4	75.7	75.7	75.7	76.1
AI 1200	4.8	68.4	71.9	74.1	76.5	77.1	77.7	77.8	77.8	78.2	78.2	78.2	78.6
AI 1000	4.8	69.3	73.3	76.2	78.8	79.4	80.2	80.4	80.4	80.8	80.8	81.2	81.2
AI 900	4.8	69.6	74.1	77.1	79.8	80.4	81.5	81.9	82.3	82.3	82.3	82.7	82.7
AI 800	4.8	69.9	74.4	77.5	80.5	81.3	82.6	83.0	83.0	83.4	83.4	83.8	83.8
AI 700	4.8	70.1	74.6	77.9	81.3	82.3	84.0	84.4	84.4	84.9	84.9	85.3	85.3
AI 600	4.8	70.1	74.8	78.2	81.9	83.0	85.2	85.7	85.7	86.1	86.1	86.6	86.6
AI 500	4.8	70.2	75.2	78.6	83.1	84.1	86.9	87.7	87.7	88.6	88.6	89.1	89.1
AI 400	4.8	70.4	75.3	79.0	83.8	85.0	88.5	89.3	89.3	90.5	90.7	91.3	91.3
AI 300	4.8	70.4	75.3	79.1	83.9	85.2	89.4	90.3	90.7	92.3	92.7	93.6	93.6
AI 200	4.8	70.4	75.3	79.1	83.9	85.2	89.9	91.7	91.9	94.0	94.2	95.7	95.8
AI 100	4.8	70.4	75.3	79.1	83.9	85.2	90.0	91.8	91.9	94.5	94.8	96.8	96.9
AI 0	4.8	70.4	75.3	79.1	83.9	85.2	90.0	91.8	91.9	94.5	94.8	96.9	97.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	2.1	56.0	56.7	57.5	57.5	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	2.1	59.6	60.3	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	2.1	59.6	60.3	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	2.1	59.6	60.3	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	2.1	59.6	60.3	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	2.1	60.3	61.0	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	2.1	63.1	63.8	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	2.1	65.3	66.0	67.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	2.1	66.7	67.4	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	2.1	66.7	67.4	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000	2.1	67.4	68.1	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	2.1	68.8	69.5	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	2.1	69.5	70.9	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	2.1	70.9	72.3	73.8	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	2.1	72.3	73.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	2.1	74.5	75.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	2.1	77.3	80.1	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	2.1	80.9	83.7	85.1	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	2.1	81.6	85.1	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	2.1	82.3	85.8	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	2.1	82.3	85.8	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	2.1	83.7	87.2	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	2.1	84.4	87.9	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	2.1	84.4	87.9	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	2.1	85.1	88.7	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	2.1	85.8	89.4	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	2.1	85.8	89.4	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	2.1	86.5	90.1	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 300	2.1	86.5	90.1	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	2.1	86.5	90.1	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 100	2.1	86.5	90.1	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
0	2.1	86.5	90.1	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 141



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

03866  
STATION

HERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB

MORTH

03

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.4	50.4	51.8	55.3	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	1.4	53.2	54.6	58.2	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	1.4	53.2	54.6	58.2	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	1.4	53.2	54.6	58.2	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	1.4	53.2	54.6	58.2	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 12000	1.4	54.6	56.0	60.3	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	1.4	55.3	57.5	61.7	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	1.4	57.5	59.6	63.8	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	1.4	58.2	60.3	64.5	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	1.4	58.2	60.3	64.5	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	1.4	58.2	60.3	64.5	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	1.4	59.6	61.7	66.7	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	1.4	59.6	61.7	66.7	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	1.4	61.0	63.1	68.1	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	1.4	61.0	63.1	68.1	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	1.4	63.1	66.0	70.9	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	1.4	67.4	70.2	75.2	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	1.4	69.5	72.3	77.3	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	1.4	71.6	74.5	79.4	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	1.4	75.2	78.0	83.0	85.1	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	1.4	75.2	78.0	83.0	85.1	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	1.4	78.7	81.6	87.2	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	1.4	79.4	82.3	88.7	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 200	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 100	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
0	1.4	80.1	83.0	89.4	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

LOCAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERIOD, MISSISSIPPI

73-77

YEARS

FEB

STATION NAME

MONTH

06

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	1.4	46.1	48.9	50.4	52.5	52.5	56.0	56.7	56.7	56.7	56.7	56.7
AI 20000	1.4	48.2	51.1	52.5	54.6	54.6	58.2	58.9	58.9	58.9	58.9	58.9
AI 18000	1.4	48.2	51.1	52.5	54.6	54.6	58.2	58.9	58.9	58.9	58.9	58.9
AI 16000	1.4	48.2	51.1	52.5	54.6	54.6	58.2	58.9	58.9	58.9	58.9	58.9
AI 14000	1.4	48.2	51.1	52.5	54.6	54.6	58.2	58.9	58.9	58.9	58.9	58.9
AI 12000	1.4	48.9	51.8	53.9	56.0	56.0	59.6	60.3	60.3	60.3	60.3	60.3
AI 10000	1.4	50.4	53.2	55.3	57.5	57.5	61.0	61.7	61.7	61.7	61.7	61.7
AI 9000	1.4	51.1	53.9	56.0	58.9	58.9	62.4	63.1	63.1	63.1	63.1	63.1
AI 8000	1.4	52.5	55.3	57.5	60.3	60.3	63.8	64.5	64.5	64.5	64.5	64.5
AI 7000	1.4	53.2	56.0	58.2	61.0	61.0	64.5	65.3	65.3	65.3	65.3	65.3
AI 6000	1.4	54.6	57.5	59.6	62.4	62.4	66.0	66.7	66.7	66.7	66.7	66.7
AI 5000	1.4	54.6	57.5	59.6	62.4	62.4	66.0	66.7	66.7	66.7	66.7	66.7
AI 4500	1.4	54.6	57.5	59.6	62.4	62.4	66.0	66.7	66.7	66.7	66.7	66.7
AI 4000	1.4	54.6	57.5	59.6	62.4	62.4	66.0	66.7	66.7	66.7	66.7	66.7
AI 3500	1.4	56.0	58.9	61.0	63.8	63.8	67.4	68.1	68.1	68.1	68.1	68.1
AI 3000	1.4	59.6	62.4	64.5	68.1	68.1	71.6	72.3	72.3	72.3	72.3	72.3
AI 2500	1.4	61.0	63.8	66.0	69.5	69.5	73.1	73.8	73.8	73.8	73.8	73.8
AI 2000	1.4	64.5	68.1	71.6	75.2	75.2	78.7	79.4	79.4	79.4	79.4	79.4
AI 1800	1.4	66.0	69.5	73.1	76.6	76.6	80.1	80.9	80.9	80.9	80.9	80.9
AI 1500	1.4	68.1	71.6	75.2	79.4	79.4	83.0	83.7	83.7	83.7	83.7	83.7
AI 1200	1.4	70.2	74.5	78.0	82.3	82.3	85.8	86.5	86.5	86.5	86.5	86.5
AI 1000	1.4	70.2	75.2	79.4	83.7	83.7	87.2	87.9	87.9	87.9	87.9	87.9
AI 900	1.4	72.3	78.0	83.0	87.2	87.2	90.8	91.5	91.5	91.5	91.5	91.5
AI 800	1.4	72.3	78.0	83.0	87.2	87.2	90.8	91.5	91.5	91.5	91.5	91.5
AI 700	1.4	72.3	78.0	83.0	87.2	87.2	90.8	91.5	91.5	91.5	91.5	91.5
AI 600	1.4	72.3	78.0	83.0	87.2	87.2	90.8	91.5	91.5	91.5	91.5	91.5
AI 500	1.4	72.3	78.0	83.0	87.2	87.2	90.8	91.5	91.5	91.5	91.5	91.5
AI 400	1.4	72.3	78.0	83.0	87.9	87.9	91.5	92.2	92.2	92.2	92.2	92.2
AI 300	1.4	72.3	78.0	83.0	87.9	87.9	92.2	93.0	93.0	93.0	93.0	93.0
AI 200	1.4	72.3	78.0	83.0	87.9	87.9	92.2	93.7	93.7	93.7	93.7	93.7
AI 100	1.4	72.3	78.0	83.0	87.9	87.9	92.2	95.7	95.7	95.7	95.7	95.7
AI 0	1.4	72.3	78.0	83.0	87.9	87.9	92.2	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	41.6	45.4	48.2	49.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	7	44.7	48.2	51.1	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	7	44.7	48.2	51.1	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	7	45.4	48.9	51.8	53.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	7	45.4	48.9	51.8	53.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	7	45.4	48.9	51.8	53.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	7	48.2	51.8	55.3	57.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	7	49.7	53.2	56.7	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	7	49.7	53.2	56.7	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	7	50.4	53.9	57.5	60.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	7	51.1	55.3	58.9	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 5000	7	51.1	55.3	58.9	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4500	7	51.1	55.3	58.9	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4000	7	53.2	58.9	62.4	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	7	53.9	58.9	63.1	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	7	54.6	59.6	63.8	66.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500	7	57.5	62.4	66.7	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2000	7	58.9	63.8	68.1	70.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	7	59.6	64.5	68.8	71.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1500	7	61.0	67.4	72.3	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1200	7	61.7	69.5	74.5	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1000	7	61.7	69.5	74.5	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 900	7	61.7	69.5	74.5	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 800	7	61.7	69.5	74.5	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 700	7	61.7	69.5	74.5	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600	7	61.7	69.5	75.2	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 500	7	61.7	69.5	75.2	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 400	7	61.7	69.5	75.2	83.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 300	7	61.7	69.5	75.2	83.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 200	7	61.7	69.5	75.2	83.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 100	7	61.7	69.5	75.2	83.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 0	7	61.7	69.5	75.2	83.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION MERIDIAN, MISSISSIPPI

73-77

FEB

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)  
12

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.1	53.9	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	2.1	56.0	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	2.1	56.0	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	2.1	56.7	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	2.1	58.2	60.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	2.1	58.9	61.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	2.1	61.7	63.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	2.1	61.7	63.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	2.1	62.4	65.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	2.1	62.4	65.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	2.1	63.1	66.0	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	2.1	63.8	66.7	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	2.1	63.8	66.7	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	2.1	65.3	68.8	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	2.1	65.3	68.8	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	2.1	68.8	72.3	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	2.1	70.2	74.5	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	2.1	71.6	75.9	78.7	80.1	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	2.1	71.6	76.6	79.4	80.9	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	2.1	72.3	78.7	81.6	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	2.1	73.8	80.9	85.1	87.2	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	2.1	74.5	81.6	86.5	88.7	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	2.1	74.5	81.6	86.5	88.7	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	2.1	75.2	83.0	87.9	90.1	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	2.1	75.2	83.7	88.7	90.8	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	2.1	75.9	84.4	89.4	91.5	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	2.1	75.9	84.4	89.4	92.2	93.6	95.7	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	2.1	76.6	85.1	90.1	93.6	95.0	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	2.1	76.6	85.1	90.1	93.6	95.0	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	2.1	76.6	85.1	90.1	93.6	95.0	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	2.1	76.6	85.1	90.1	93.6	95.0	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	2.1	76.6	85.1	90.1	93.6	95.0	97.2	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.8	51.1	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	2.8	61.7	63.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	2.8	61.7	63.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	2.8	62.4	63.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	2.8	63.1	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	2.8	64.5	66.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	2.8	66.7	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	2.8	66.7	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	2.8	67.4	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	2.8	68.1	70.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	2.8	68.1	70.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	2.8	68.8	71.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	2.8	71.6	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	2.8	74.5	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	2.8	75.2	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	2.8	76.6	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	2.8	77.3	80.9	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	2.8	77.3	81.6	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1800	2.8	78.0	82.3	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	2.8	80.9	85.8	87.9	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	2.8	81.6	86.5	88.7	89.4	90.1	90.1	90.8	90.8	90.8	91.5	91.5	91.5
≥ 1000	2.8	81.6	86.5	88.7	90.1	92.2	92.2	92.9	92.9	92.9	93.6	93.6	93.6
≥ 900	2.8	81.6	86.5	88.7	90.8	92.9	92.9	93.6	93.6	93.6	94.3	94.3	94.3
≥ 800	2.8	82.3	87.2	89.4	91.5	93.6	93.6	94.3	94.3	94.3	95.0	95.0	95.0
≥ 700	2.8	82.3	87.2	89.4	91.5	93.6	93.6	94.3	94.3	94.3	95.0	95.0	95.0
≥ 600	2.8	82.3	87.2	89.4	91.5	93.6	93.6	94.3	94.3	94.3	95.0	95.0	95.0
≥ 500	2.8	83.0	87.9	90.1	92.9	95.0	95.0	96.5	96.5	96.5	97.2	97.2	97.2
≥ 400	2.8	83.0	87.9	90.1	92.9	95.0	95.0	96.5	96.5	96.5	97.2	97.2	97.2
≥ 300	2.8	83.7	88.7	90.8	93.6	95.7	95.7	97.9	97.9	97.9	99.3	99.3	99.3
≥ 200	2.8	83.7	88.7	90.8	93.6	95.7	95.7	97.9	97.9	97.9	99.3	99.3	99.3
≥ 100	2.8	83.7	88.7	90.8	93.6	95.7	95.7	97.9	97.9	97.9	99.3	99.3	99.3
0	2.8	83.7	88.7	90.8	93.6	95.7	95.7	97.9	97.9	97.9	99.3	99.3	99.3

141

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

18  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	2.1	59.6	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	2.1	64.5	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	2.1	65.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	2.1	65.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	2.1	65.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	2.1	66.0	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	2.1	67.4	70.2	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	2.1	68.8	71.6	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	2.1	69.5	72.3	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	2.1	69.5	72.3	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	2.1	70.2	73.1	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	2.1	70.9	73.8	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	2.1	70.9	73.8	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	2.1	71.6	74.5	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	2.1	71.6	74.5	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	2.1	73.8	77.3	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500	2.1	76.6	80.1	82.3	83.0	83.7	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	2.1	79.4	83.0	85.8	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	2.1	79.4	83.0	85.8	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	2.1	79.4	83.0	87.2	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	2.1	80.9	84.4	88.7	89.4	91.5	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	2.1	80.9	84.4	88.7	89.4	91.5	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	2.1	80.9	85.1	89.4	90.1	92.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	2.1	80.9	85.1	89.4	90.1	92.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	2.1	80.9	85.1	89.4	90.1	92.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	2.1	81.6	85.8	90.1	90.8	93.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	2.1	81.6	85.8	90.1	91.5	94.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	2.1	81.6	85.8	90.1	92.2	95.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	2.1	81.6	85.8	90.1	92.2	95.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	2.1	81.6	85.8	90.1	92.2	95.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	2.1	81.6	85.8	90.1	92.2	95.0	97.2	97.2	97.2	97.2	97.2	97.2
0	2.1	81.6	85.8	90.1	92.2	95.0	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

21  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.1	61.7	65.3	67.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 20000	2.1	63.1	66.7	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	2.1	63.1	66.7	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	2.1	63.8	67.4	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	2.1	63.8	67.4	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	2.1	64.5	68.1	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000	2.1	66.0	69.5	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	2.1	66.0	69.5	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	2.1	66.7	70.2	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	2.1	68.8	72.3	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	2.1	70.2	73.8	76.6	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	2.1	71.6	75.2	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	2.1	71.6	75.2	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	2.1	73.1	76.6	79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	2.1	73.8	77.3	80.1	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	2.1	75.9	79.4	82.3	82.3	82.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	2.1	78.0	81.6	84.4	84.4	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	2.1	79.4	84.4	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	2.1	80.9	86.5	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 200	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 100	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 0	2.1	81.6	88.7	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

141

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.9	52.6	54.6	56.4	57.0	57.2	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	1.9	56.4	58.6	60.4	61.0	61.2	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000	1.9	56.5	58.7	60.5	61.1	61.3	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	1.9	56.8	59.0	60.8	61.4	61.6	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 14000	1.9	57.1	59.3	61.1	61.7	61.9	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	1.9	57.9	60.2	62.3	63.1	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	1.9	59.8	62.4	64.8	65.6	65.9	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	1.9	60.8	63.4	65.8	66.7	66.9	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
8000	1.9	61.6	64.3	66.7	67.6	67.9	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
7000	1.9	62.2	64.8	67.2	68.2	68.4	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
6000	1.9	62.9	65.6	68.1	69.2	69.4	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
5000	1.9	63.7	66.4	69.0	70.0	70.3	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
4500	1.9	64.1	66.9	69.6	70.7	70.9	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
4000	1.9	65.5	68.5	71.2	72.3	72.5	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
3500	1.9	66.1	69.2	71.8	72.9	73.1	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3000	1.9	68.4	71.5	74.2	75.4	75.7	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
2500	1.9	70.7	74.2	77.0	78.4	78.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2000	1.9	72.7	76.6	79.6	81.2	81.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8
1800	1.9	73.6	77.8	80.9	82.5	82.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1500	1.9	75.1	79.9	83.2	84.9	85.5	86.5	86.8	86.8	86.9	86.9	86.9	86.9	86.9
1200	1.9	75.9	81.0	84.7	86.8	87.5	88.6	88.8	88.8	88.9	89.1	89.1	89.3	89.3
1000	1.9	76.6	81.8	85.6	88.0	89.0	90.3	90.6	90.6	90.9	91.1	91.1	91.2	91.2
900	1.9	77.0	82.5	86.5	89.1	90.2	91.6	92.0	92.0	92.3	92.5	92.5	92.6	92.6
800	1.9	77.3	82.8	86.9	89.5	90.7	92.1	92.6	92.6	92.8	93.0	93.0	93.2	93.2
700	1.9	77.4	83.0	87.1	89.8	91.0	92.6	93.2	93.2	93.4	93.6	93.6	93.8	93.8
600	1.9	77.7	83.2	87.4	90.3	91.5	93.3	93.9	93.9	94.2	94.4	94.4	94.6	94.6
500	1.9	77.8	83.3	87.6	90.9	92.1	94.0	94.8	94.8	95.2	95.4	95.4	95.6	95.6
400	1.9	77.9	83.6	87.9	91.4	92.7	94.8	95.7	95.7	96.4	96.6	96.6	96.9	96.9
300	1.9	78.0	83.7	87.9	91.6	93.0	95.7	97.1	97.2	98.1	98.5	98.5	99.0	99.0
200	1.9	78.0	83.7	87.9	91.6	93.0	95.7	97.2	97.3	98.2	98.7	98.7	99.5	99.5
100	1.9	78.0	83.7	87.9	91.6	93.0	95.7	97.2	97.3	98.3	98.8	98.8	99.7	99.7
0	1.9	78.0	83.7	87.9	91.6	93.0	95.7	97.2	97.3	98.3	98.8	98.8	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1128



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.6	44.5	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	2.6	47.1	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	2.6	47.7	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	2.6	47.7	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	2.6	48.4	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	2.6	49.0	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	2.6	53.6	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	2.6	54.2	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
8000	2.6	57.4	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
7000	2.6	57.4	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
6000	2.6	57.4	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
5000	2.6	61.3	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
4500	2.6	61.3	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
4000	2.6	61.3	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
3500	2.6	62.6	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
3000	2.6	63.9	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2500	2.6	66.5	69.7	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2000	2.6	69.0	72.3	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1800	2.6	69.0	72.3	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1500	2.6	74.8	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1200	2.6	76.1	80.7	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1000	2.6	76.8	81.3	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
900	2.6	76.8	81.3	85.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
800	2.6	76.8	81.9	85.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
700	2.6	76.8	83.2	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
600	2.6	77.4	83.9	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
500	2.6	77.4	83.9	88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
400	2.6	77.4	84.5	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
300	2.6	77.4	84.5	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
200	2.6	77.4	84.5	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
100	2.6	77.4	84.5	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0	2.6	77.4	84.5	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

03  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	35.5	40.0	41.9	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.9
≥ 20000	7	37.4	41.9	43.9	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8
≥ 18000	7	38.1	42.6	44.5	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5
≥ 16000	7	38.1	42.6	44.5	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5
≥ 14000	7	38.1	42.6	44.5	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5
≥ 12000	7	39.4	43.9	45.8	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.7
≥ 10000	7	43.9	48.4	50.3	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3
≥ 9000	7	44.5	49.0	51.0	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9
≥ 8000	7	47.1	52.9	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.8
≥ 7000	7	47.7	53.6	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 6000	7	47.7	53.6	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 5000	7	49.7	55.5	57.4	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4
≥ 4500	7	51.6	57.4	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3
≥ 4000	7	51.6	57.4	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3
≥ 3500	7	53.6	59.4	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.2
≥ 3000	7	54.8	60.7	63.2	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2
≥ 2500	7	54.8	60.7	63.2	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2
≥ 2000	7	60.0	65.8	68.4	69.0	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 1800	7	60.0	65.8	68.4	69.0	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 1500	7	65.2	72.3	76.8	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0
≥ 1200	7	67.1	74.8	80.7	81.9	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 1000	7	69.0	78.1	84.5	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0
≥ 900	7	69.0	78.1	84.5	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0
≥ 800	7	69.0	78.7	85.8	87.1	87.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 700	7	69.0	78.7	85.8	87.1	87.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 600	7	69.7	79.4	86.5	87.7	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 500	7	70.3	80.0	87.1	88.4	88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.9
≥ 400	7	70.3	80.0	87.1	88.4	88.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	94.2
≥ 300	7	70.3	80.0	87.1	88.4	88.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	95.5
≥ 200	7	70.3	80.0	87.1	89.0	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	98.1
≥ 100	7	70.3	80.0	87.1	89.0	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	98.7
≥ 0	7	70.3	80.0	87.1	89.0	89.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	98.7

TOTAL NUMBER OF OBSERVATIONS 155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

03866  
STATIONMERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

06

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000	.7	25.8	29.7	31.6	34.8	35.5	35.5	36.1	36.1	37.4	37.4	37.4	37.4
≥ 18000	.7	28.4	32.9	35.5	38.7	39.4	39.4	40.0	40.0	41.3	41.3	41.3	41.3
≥ 16000	.7	28.4	32.9	35.5	38.7	39.4	39.4	40.0	40.0	41.3	41.3	41.3	41.3
≥ 14000	.7	28.4	32.9	35.5	38.7	39.4	39.4	40.0	40.0	41.3	41.3	41.3	41.3
≥ 12000	.7	28.4	32.9	35.5	38.7	39.4	39.4	40.0	40.0	41.3	41.3	41.3	41.3
≥ 10000	.7	31.0	36.1	38.7	41.9	42.6	42.6	43.2	43.2	44.5	44.5	44.5	44.5
≥ 9000	.7	31.6	36.8	39.4	42.6	43.2	43.2	43.9	43.9	45.2	45.2	45.2	45.2
≥ 8000	.7	32.9	38.1	40.7	43.9	44.5	44.5	45.2	45.2	46.5	46.5	46.5	46.5
≥ 7000	.7	34.8	40.7	43.2	46.5	47.1	47.1	47.7	47.7	49.0	49.0	49.0	49.0
≥ 6000	.7	34.8	40.7	43.2	46.5	47.1	47.1	47.7	47.7	49.0	49.0	49.0	49.0
≥ 5000	.7	35.5	41.3	43.9	47.1	47.7	47.7	48.4	48.4	49.7	49.7	49.7	49.7
≥ 4500	.7	36.1	41.9	44.5	47.7	48.4	48.4	49.0	49.0	50.3	50.3	50.3	50.3
≥ 4000	.7	36.1	41.9	44.5	47.7	48.4	48.4	49.0	49.0	50.3	50.3	50.3	50.3
≥ 3500	1.3	38.1	43.9	46.5	49.7	50.3	50.3	51.0	51.0	52.3	52.3	52.3	52.3
≥ 3000	1.3	41.3	47.1	49.7	52.9	53.6	53.6	54.2	54.2	55.5	55.5	55.5	55.5
≥ 2500	1.3	43.9	49.7	52.3	55.5	56.1	56.8	57.4	57.4	58.7	58.7	58.7	58.7
≥ 2000	1.3	44.5	50.3	52.9	56.8	57.4	58.1	58.7	58.7	60.0	60.0	60.0	60.0
≥ 1800	1.3	44.5	50.3	52.9	58.1	58.7	59.4	60.0	60.0	61.3	61.3	61.3	61.3
≥ 1500	1.3	50.3	58.1	62.6	68.4	69.0	69.7	70.3	70.3	71.6	71.6	71.6	71.6
≥ 1200	1.3	52.3	60.7	65.2	71.0	71.6	72.3	72.9	72.9	74.2	74.2	74.2	74.2
≥ 1000	1.3	54.8	63.9	69.0	75.5	76.1	76.8	77.4	77.4	78.7	78.7	78.7	78.7
≥ 900	1.3	55.5	65.2	70.3	76.8	77.4	78.1	78.7	78.7	80.0	80.0	80.0	80.0
≥ 800	1.3	56.1	66.5	71.6	78.7	79.4	80.0	80.7	80.7	81.9	81.9	81.9	81.9
≥ 700	1.3	56.8	67.1	72.3	80.0	80.7	81.3	81.9	81.9	83.2	83.2	83.2	83.2
≥ 600	1.3	56.8	67.1	72.3	80.0	81.3	81.9	82.6	82.6	84.5	84.5	84.5	84.5
≥ 500	1.3	57.4	67.7	73.6	81.9	83.2	84.5	85.8	85.8	87.7	87.7	87.7	87.7
≥ 400	1.3	57.4	67.7	73.6	82.6	84.5	86.5	87.7	87.7	89.7	89.7	89.7	89.7
≥ 300	1.3	57.4	67.7	74.2	83.2	85.2	88.4	89.7	89.7	91.6	91.6	91.6	91.6
≥ 200	1.3	57.4	67.7	74.2	83.2	85.2	88.4	89.7	89.7	91.6	92.3	92.3	92.3
≥ 100	1.3	57.4	67.7	74.2	83.2	85.2	88.4	89.7	89.7	92.3	92.9	92.9	92.9
0	1.3	57.4	67.7	74.2	83.2	85.2	88.4	89.7	89.7	92.3	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

09  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.6	29.7	33.6	35.5	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	2.6	34.2	38.1	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	2.6	34.8	38.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	2.6	34.8	38.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	2.6	34.8	39.4	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	2.6	37.4	41.9	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	2.6	39.4	44.5	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	2.6	40.0	45.2	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	2.6	43.2	49.0	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	2.6	43.9	49.7	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	2.6	43.9	49.7	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	2.6	45.8	51.6	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	2.6	45.8	51.6	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4000	2.6	46.5	52.3	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	2.6	47.1	52.9	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	2.6	47.7	53.6	56.8	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2500	2.6	50.3	56.1	59.4	61.3	61.9	61.9	61.9	62.6	62.6	62.6	62.6
≥ 2000	2.6	55.5	61.9	65.2	67.1	68.4	68.4	68.4	69.0	69.0	69.0	69.0
≥ 1800	2.6	57.4	64.5	67.7	69.7	71.6	71.6	71.6	72.3	72.3	72.3	72.3
≥ 1500	2.6	60.7	67.7	71.6	74.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8
≥ 1200	2.6	61.3	68.4	72.3	74.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 1000	2.6	62.6	69.7	75.5	78.7	81.9	81.9	81.9	82.6	82.6	82.6	82.6
≥ 900	3.2	63.9	71.0	76.8	80.0	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 800	3.2	64.5	72.3	78.1	81.3	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 700	3.2	64.5	72.3	78.1	81.3	85.2	85.2	85.2	85.8	85.8	85.8	85.8
≥ 600	3.2	64.5	72.3	79.4	83.9	87.7	88.4	89.0	89.7	89.7	89.7	89.7
≥ 500	3.2	64.5	72.3	80.0	85.8	90.3	91.6	92.9	93.6	93.6	93.6	93.6
≥ 400	3.2	64.5	72.3	80.0	85.8	91.6	94.8	96.1	96.8	96.8	96.8	96.8
≥ 300	3.2	64.5	72.3	80.0	85.8	91.6	94.8	96.8	98.1	98.1	98.1	98.1
≥ 200	3.2	64.5	72.3	80.0	85.8	91.6	94.8	97.4	98.1	98.7	99.4	99.4
≥ 100	3.2	64.5	72.3	80.0	85.8	91.6	94.8	97.4	98.1	98.7	99.4	99.4
≥ 0	3.2	64.5	72.3	80.0	85.8	91.6	94.8	97.4	98.1	98.7	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	39.4	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	3.2	47.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	3.2	48.4	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	3.2	48.4	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	3.2	48.4	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	3.9	49.7	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	3.9	52.3	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	3.9	52.9	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	3.9	52.9	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	3.9	54.2	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	3.9	54.2	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	3.9	56.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	3.9	56.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	3.9	58.7	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	3.9	60.0	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	3.9	65.2	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	3.9	71.6	75.5	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	3.9	74.2	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	3.9	74.2	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	3.9	76.8	81.3	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	3.9	78.7	84.5	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	3.9	79.4	85.2	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	3.9	79.4	85.2	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	3.9	80.7	86.5	90.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	3.9	80.7	86.5	90.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	3.9	80.7	87.1	91.0	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	3.9	80.7	87.1	91.0	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

## CEILING VERSUS VISIBILITY

03866  
STATIONMERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

15

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.2	38.1	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	3.2	49.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	3.2	49.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	3.2	49.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	3.2	51.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	3.2	53.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	3.2	56.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	3.2	56.8	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	3.2	60.0	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	3.2	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	3.2	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	3.9	63.9	67.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	3.9	64.5	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	3.9	69.0	72.9	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	3.9	72.9	76.8	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	3.9	74.2	78.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	3.9	77.4	81.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	3.9	79.4	83.9	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	3.9	80.0	84.5	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	3.9	81.9	86.5	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	3.9	82.6	87.1	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	3.9	82.6	87.1	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	3.9	82.6	87.7	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	3.9	82.6	87.7	92.9	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	3.9	82.6	87.7	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	3.9	83.2	88.4	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 500	3.9	83.2	88.4	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 400	3.9	83.2	88.4	93.6	95.5	96.1	96.8	97.4	97.4	97.4	97.4	98.1	98.1
≥ 300	3.9	83.2	88.4	93.6	95.5	96.1	96.8	98.1	98.1	98.1	98.1	98.7	98.7
≥ 200	3.9	83.2	88.4	93.6	95.5	96.1	96.8	98.1	98.1	99.4	99.4	100.0	100.0
≥ 100	3.9	83.2	88.4	93.6	95.5	96.1	96.8	98.1	98.1	99.4	99.4	100.0	100.0
0	3.9	83.2	88.4	93.6	95.5	96.1	96.8	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAR  
MONTH

18

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	2.6	44.5	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	2.6	48.4	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	2.6	49.7	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	2.6	50.3	52.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	2.6	51.0	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	2.6	54.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	3.2	58.1	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	3.2	59.4	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	3.2	61.9	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	3.2	62.6	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	3.2	62.6	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	3.2	65.2	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	3.2	65.8	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	3.2	67.1	71.6	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	3.2	67.7	72.9	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	3.2	71.0	76.1	80.0	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	3.2	73.6	78.7	82.6	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	3.2	73.6	78.7	82.6	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	3.2	74.2	79.4	83.2	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	3.2	76.8	81.9	86.5	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	3.2	76.8	81.9	86.5	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	3.2	76.8	83.9	88.4	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	3.2	77.4	84.5	89.0	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	3.2	77.4	84.5	89.0	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	3.2	78.1	85.2	89.7	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	3.2	78.1	85.2	89.7	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	3.2	78.1	85.2	90.3	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	3.2	78.1	85.2	91.0	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	3.2	78.1	85.2	91.0	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	3.2	78.1	85.2	91.0	94.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	3.2	78.1	85.2	91.0	94.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	3.2	78.1	85.2	91.0	94.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

AD-A060 995

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MERIDIA--ETC(U)  
JUL 78

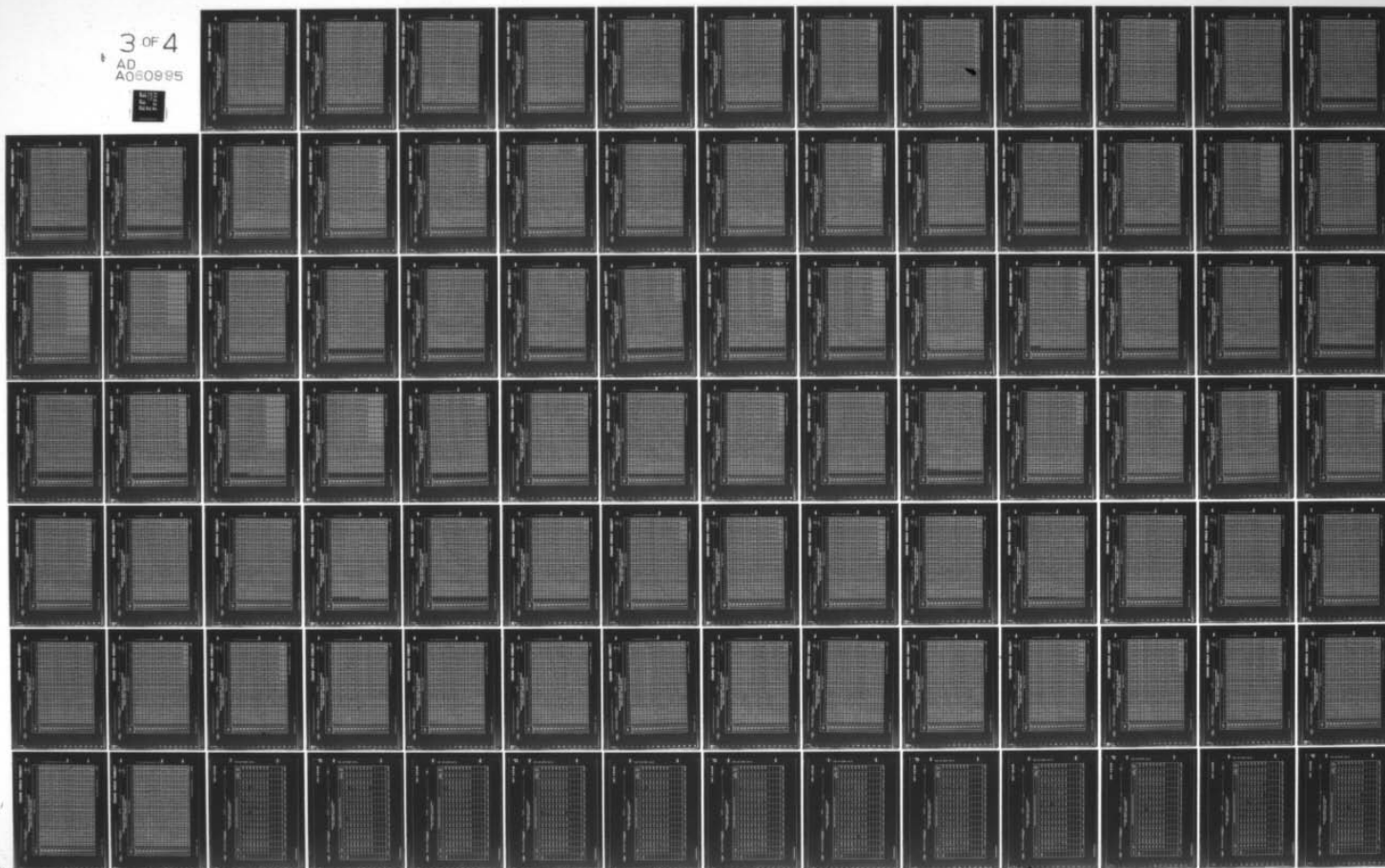
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3 OF 4

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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEAR

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.5	49.7	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	4.5	51.6	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	4.5	52.3	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	4.5	52.3	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	4.5	52.9	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	4.5	53.6	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	4.5	56.8	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	4.5	57.4	61.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	4.5	58.1	62.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	5.2	60.0	64.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	5.2	60.7	65.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	5.2	63.2	67.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	5.2	63.9	68.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	5.2	65.8	70.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	5.2	67.7	72.3	75.5	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	5.2	70.3	74.8	78.1	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	5.2	73.6	78.1	81.3	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	5.2	75.5	80.0	84.5	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	5.2	76.1	80.7	85.2	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	5.2	78.7	83.2	87.7	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	5.2	78.7	83.2	87.7	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	5.2	80.0	84.5	89.0	90.3	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	5.2	80.0	85.2	89.7	91.0	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	5.2	80.0	85.8	91.0	92.3	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	5.2	80.0	85.8	91.0	92.3	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	5.2	80.0	85.8	91.0	92.9	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	5.2	80.0	85.8	91.0	92.9	93.6	95.5	96.1	96.1	96.8	96.8	97.4	97.4
≥ 400	5.2	80.0	85.8	91.0	92.9	93.6	95.5	96.1	96.1	96.8	96.8	97.4	97.4
≥ 300	5.2	80.0	85.8	91.0	92.9	93.6	95.5	96.1	96.1	96.8	96.8	97.4	97.4
≥ 200	5.2	80.0	85.8	91.0	92.9	94.2	96.8	97.4	97.4	98.1	98.1	98.7	98.7
≥ 100	5.2	80.0	85.8	91.0	92.9	94.2	96.8	98.1	98.1	99.4	99.4	100.0	100.0
≥ 0	5.2	80.0	85.8	91.0	92.9	94.2	96.8	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

MAR

MORTH

ALL  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.4	38.4	41.3	42.5	43.1	43.2	43.3	43.4	43.4	43.6	43.6	43.6	43.6	43.7	43.9
≥ 20000	2.5	43.1	46.1	47.7	48.2	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.8	48.9	49.0
≥ 18000	2.5	43.6	46.8	48.4	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.5	49.6	49.8
≥ 16000	2.5	43.7	46.9	48.5	49.0	49.2	49.3	49.4	49.4	49.5	49.5	49.5	49.6	49.7	49.8
≥ 14000	2.5	44.2	47.7	49.3	49.8	50.0	50.1	50.2	50.2	50.3	50.3	50.3	50.4	50.5	50.7
≥ 12000	2.6	45.7	49.2	50.8	51.5	51.6	51.7	51.8	51.8	51.9	51.9	51.9	52.0	52.1	52.3
≥ 10000	2.7	48.9	52.7	54.4	55.0	55.2	55.2	55.3	55.3	55.5	55.5	55.5	55.6	55.7	55.8
≥ 9000	2.7	49.6	53.4	55.1	55.7	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.4	56.5
≥ 8000	2.7	51.7	56.1	58.1	58.7	58.9	59.0	59.0	59.0	59.2	59.2	59.2	59.3	59.4	59.5
≥ 7000	2.7	52.8	57.4	59.6	60.3	60.5	60.6	60.7	60.7	60.8	60.8	60.8	60.9	61.0	61.1
≥ 6000	2.7	52.9	57.5	59.7	60.4	60.6	60.7	60.7	60.7	60.9	60.9	60.9	61.0	61.1	61.2
≥ 5000	2.8	55.1	59.7	61.9	62.7	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.4	63.6
≥ 4500	2.8	55.7	60.2	62.5	63.3	63.5	63.6	63.6	63.6	63.8	63.8	63.8	63.9	64.0	64.1
≥ 4000	2.8	57.0	61.7	64.0	64.9	65.2	65.3	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.9
≥ 3500	2.9	58.7	63.5	66.0	66.9	67.2	67.4	67.5	67.5	67.7	67.7	67.7	67.7	67.8	68.0
≥ 3000	2.9	61.1	65.9	68.7	69.7	70.0	70.3	70.4	70.4	70.6	70.6	70.6	70.7	70.7	70.9
≥ 2500	2.9	64.0	68.8	71.9	73.1	73.4	73.8	73.9	73.9	74.1	74.1	74.1	74.2	74.3	74.4
≥ 2000	2.9	66.5	71.4	74.8	76.2	76.7	77.2	77.3	77.3	77.5	77.5	77.5	77.6	77.7	77.9
≥ 1800	2.9	66.9	71.9	75.3	76.9	77.5	78.0	78.1	78.1	78.3	78.3	78.3	78.4	78.5	78.7
≥ 1500	2.9	70.7	76.1	80.2	82.3	82.9	83.4	83.6	83.6	83.8	83.8	83.8	83.9	84.0	84.2
≥ 1200	2.9	71.7	77.7	82.0	84.2	84.8	85.6	85.7	85.7	86.0	86.0	86.0	86.1	86.3	86.5
≥ 1000	2.9	72.7	79.2	84.0	86.6	87.3	88.2	88.4	88.4	88.6	88.6	88.6	88.7	88.8	89.1
≥ 900	3.0	73.1	79.8	84.7	87.6	88.3	89.1	89.4	89.4	89.6	89.6	89.6	89.7	89.8	90.1
≥ 800	3.0	73.4	80.5	85.6	88.6	89.4	90.2	90.5	90.5	90.7	90.7	90.7	90.8	90.9	91.2
≥ 700	3.0	73.6	80.8	85.9	89.0	90.0	91.0	91.2	91.2	91.5	91.5	91.5	91.6	91.8	91.9
≥ 600	3.0	73.8	81.1	86.4	89.8	90.9	92.2	92.5	92.5	93.0	93.0	93.0	93.2	93.4	93.6
≥ 500	3.0	74.0	81.3	86.9	90.7	91.8	93.2	93.8	93.8	94.4	94.4	94.4	94.7	94.8	95.1
≥ 400	3.0	74.0	81.4	87.0	90.9	92.3	94.4	95.2	95.2	95.7	95.8	95.8	96.1	96.3	96.5
≥ 300	3.0	74.0	81.4	87.1	91.0	92.4	94.8	95.8	96.0	96.7	96.8	96.8	97.2	97.3	97.6
≥ 200	3.0	74.0	81.4	87.1	91.1	92.7	95.5	96.5	96.7	97.6	97.8	97.8	98.3	98.4	98.8
≥ 100	3.0	74.0	81.4	87.1	91.1	92.7	95.5	96.6	96.8	97.9	98.2	98.2	98.7	98.8	99.4
0	3.0	74.0	81.4	87.1	91.1	92.7	95.5	96.6	96.8	97.9	98.2	98.2	98.7	98.8	99.0

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

STATION NAME

YEARS

APR

MONTH

00

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.3	62.0	62.7	64.7	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 20000	4.0	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7
≥ 18000	4.0	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7
≥ 16000	4.0	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7
≥ 14000	4.0	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7
≥ 12000	4.0	66.0	66.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3
≥ 10000	4.7	68.7	69.3	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0
≥ 9000	4.7	69.3	70.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7
≥ 8000	4.7	70.7	72.0	74.7	74.7	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3
≥ 7000	5.3	71.3	72.7	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0
≥ 6000	5.3	71.3	72.7	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0
≥ 5000	5.3	71.3	73.3	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7
≥ 4500	5.3	72.0	74.0	76.7	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3
≥ 4000	5.3	75.3	77.3	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7
≥ 3500	5.3	75.3	77.3	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7
≥ 3000	5.3	76.0	78.7	82.0	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0
≥ 2500	5.3	77.3	80.7	84.0	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0
≥ 2000	5.3	78.0	82.0	85.3	86.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3
≥ 1800	5.3	79.3	83.3	86.7	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7
≥ 1500	5.3	82.0	87.3	90.7	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7
≥ 1200	5.3	82.7	88.0	91.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 1000	5.3	82.7	88.7	92.7	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 900	5.3	82.7	88.7	93.3	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 800	5.3	82.7	88.7	93.3	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 700	5.3	82.7	88.7	93.3	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 600	5.3	83.3	89.3	94.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 500	5.3	83.3	90.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7
≥ 400	5.3	83.3	90.7	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 300	5.3	83.3	90.7	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 200	5.3	83.3	90.7	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 100	5.3	83.3	90.7	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 0	5.3	83.3	90.7	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 20000	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 18000	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 16000	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 14000	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 12000	3.3	55.3	60.0	62.0	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 10000	4.0	59.3	64.0	66.0	66.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7
≥ 9000	4.0	60.0	64.7	66.7	67.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3
8000	4.0	62.0	66.7	68.7	69.3	69.3	70.7	70.7	70.7	70.7	70.7	71.3	71.3	71.3
7000	4.0	64.0	69.3	72.0	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.7	74.7	74.7
6000	4.0	64.0	69.3	72.0	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.7	74.7	74.7
5000	4.0	64.0	69.3	72.0	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.7	74.7	74.7
4500	4.0	64.7	70.0	72.7	73.3	73.3	74.7	74.7	74.7	74.7	74.7	75.3	75.3	75.3
4000	4.0	64.7	70.0	73.3	74.7	74.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3	77.3
3500	4.0	64.7	70.0	73.3	74.7	74.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3	77.3
3000	4.0	66.0	71.3	74.7	76.0	76.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7
2500	4.7	69.3	75.3	78.7	80.0	80.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7	82.7
2000	4.7	70.0	76.0	79.3	80.7	80.7	82.7	82.7	82.7	82.7	82.7	83.3	83.3	83.3
1800	4.7	70.0	76.0	79.3	80.7	80.7	82.7	82.7	82.7	82.7	82.7	83.3	83.3	83.3
1500	4.7	72.7	78.7	82.7	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7
1200	4.7	74.0	80.0	84.0	85.3	85.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0
1000	4.7	74.7	81.3	86.0	88.0	88.0	90.7	90.7	90.7	90.7	90.7	91.3	91.3	91.3
900	4.7	74.7	82.0	87.3	89.3	90.0	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3
800	4.7	74.7	83.3	88.7	91.3	92.0	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3
700	4.7	75.3	84.0	89.3	92.0	92.7	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0
600	4.7	76.0	84.7	90.0	92.7	93.3	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7
500	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
400	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
300	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
200	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
100	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
0	4.7	76.0	85.3	90.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3

150

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

06  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	32.0	43.3	46.7	51.3	52.0	52.7	53.3	53.3	53.3	54.0	54.0	54.7	54.7
≥ 20000	1.3	32.7	45.3	48.7	54.0	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 18000	1.3	32.7	45.3	48.7	54.0	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 16000	1.3	32.7	45.3	48.7	54.0	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 14000	1.3	32.7	45.3	48.7	54.0	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 12000	1.3	32.7	45.3	48.7	54.0	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 10000	1.3	33.3	46.0	49.3	54.7	56.0	58.0	58.7	58.7	58.7	59.3	59.3	59.3	59.3
≥ 9000	1.3	34.7	47.3	50.7	56.0	57.3	60.0	60.7	60.7	60.7	61.3	61.3	62.0	62.0
≥ 8000	2.0	36.0	49.3	52.7	58.0	59.3	62.0	62.7	62.7	62.7	63.3	63.3	64.0	64.0
≥ 7000	2.0	36.7	50.0	53.3	58.7	60.0	62.7	64.0	64.0	64.0	64.7	64.7	65.3	65.3
≥ 6000	2.0	36.7	50.7	54.0	59.3	60.7	63.3	64.7	64.7	64.7	65.3	65.3	66.0	66.0
≥ 5000	2.0	37.3	52.0	55.3	60.7	62.0	64.7	66.0	66.0	66.0	66.7	66.7	67.3	67.3
≥ 4500	2.0	38.0	52.7	56.0	61.3	62.7	65.3	66.7	66.7	66.7	67.3	67.3	68.0	68.0
≥ 4000	2.0	38.0	52.7	56.0	61.3	62.7	65.3	66.7	66.7	66.7	67.3	67.3	68.0	68.0
≥ 3500	2.0	38.0	52.7	56.0	61.3	62.7	65.3	66.7	66.7	66.7	67.3	67.3	68.0	68.0
≥ 3000	2.0	38.0	54.0	57.3	62.7	64.0	66.7	68.0	68.0	68.0	68.7	68.7	69.3	69.3
≥ 2500	2.0	39.3	55.3	58.7	64.0	65.3	68.0	69.3	69.3	69.3	70.0	70.0	70.7	70.7
≥ 2000	2.0	42.0	58.0	61.3	66.7	68.0	70.7	72.0	72.0	72.0	72.7	72.7	73.3	73.3
≥ 1800	2.0	42.0	58.0	61.3	66.7	68.0	70.7	72.0	72.0	72.0	72.7	72.7	73.3	73.3
≥ 1500	2.0	42.7	60.0	64.0	69.3	70.7	73.3	74.7	74.7	74.7	75.3	75.3	76.0	76.0
≥ 1200	2.0	43.3	61.3	66.7	72.0	73.3	76.0	77.3	77.3	77.3	78.0	78.0	78.7	78.7
≥ 1000	2.7	44.0	62.0	68.0	74.0	75.3	78.7	80.0	80.0	81.3	82.0	82.0	82.7	82.7
≥ 900	2.7	44.0	62.0	68.0	74.0	75.3	78.7	80.0	80.0	81.3	82.0	82.0	82.7	82.7
≥ 800	2.7	44.7	62.7	69.3	76.7	78.0	81.3	82.7	82.7	84.0	84.7	84.7	85.3	85.3
≥ 700	2.7	44.7	62.7	69.3	76.7	78.0	82.0	83.3	83.3	84.7	85.3	85.3	86.0	86.0
≥ 600	2.7	44.7	62.7	69.3	77.3	78.7	82.7	84.0	84.0	85.3	86.0	86.0	86.7	86.7
≥ 500	2.7	44.7	62.7	69.3	77.3	78.7	82.7	84.0	84.0	86.0	86.7	86.7	87.3	87.3
≥ 400	2.7	44.7	62.7	70.0	78.0	79.3	84.0	86.0	86.0	89.3	90.0	90.0	90.7	90.7
≥ 300	2.7	44.7	62.7	70.0	78.0	79.3	84.0	86.7	86.7	91.3	92.0	92.0	93.3	93.3
≥ 200	2.7	44.7	62.7	70.0	78.0	79.3	84.0	87.3	87.3	92.0	92.7	92.7	94.0	94.0
≥ 100	2.7	44.7	62.7	70.0	78.0	79.3	84.0	87.3	87.3	92.0	92.7	92.7	94.0	94.0
≥ 0	2.7	44.7	62.7	70.0	78.0	79.3	84.0	87.3	87.3	92.0	92.7	92.7	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

09  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.3	51.3	55.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	3.3	54.7	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	3.3	54.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	3.3	54.7	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	3.3	54.7	59.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	3.3	54.7	59.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	3.3	56.0	60.7	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	3.3	58.7	63.3	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	3.3	59.3	64.0	67.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	3.3	59.3	64.0	67.3	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	3.3	59.3	64.0	67.3	69.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	3.3	59.3	64.0	68.7	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	3.3	59.3	64.0	68.7	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	3.3	60.7	66.0	70.7	72.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	3.3	61.3	66.7	71.3	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	3.3	61.3	67.3	72.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	3.3	63.3	69.3	74.0	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	3.3	66.0	72.0	76.7	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	3.3	66.0	72.7	77.3	80.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	3.3	66.7	74.7	81.3	85.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	3.3	67.3	75.3	82.0	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	3.3	67.3	75.3	82.7	88.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	3.3	67.3	75.3	82.7	88.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	3.3	67.3	75.3	82.7	89.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	3.3	67.3	75.3	82.7	89.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	3.3	67.3	75.3	82.7	89.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	3.3	67.3	75.3	83.3	90.0	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	3.3	67.3	75.3	83.3	90.0	94.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	3.3	68.0	76.0	84.0	91.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	3.3	68.0	76.0	84.0	91.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	3.3	68.0	76.0	84.0	91.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	3.3	68.0	76.0	84.0	91.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.7	54.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	4.7	58.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	4.7	59.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	4.7	59.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	4.7	59.3	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	4.7	62.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	4.7	64.0	68.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	4.7	64.7	69.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	4.7	66.0	70.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	4.7	67.3	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	4.7	68.0	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	4.7	68.7	74.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	4.7	68.7	74.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	4.7	69.3	74.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	4.7	70.0	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	4.7	74.7	80.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	4.7	76.7	82.0	86.7	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7
≥ 2000	4.7	78.0	83.3	88.0	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0
≥ 1800	4.7	78.0	83.3	88.0	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0
≥ 1500	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 1200	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 1000	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 900	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 800	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 700	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 600	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 500	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 400	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 300	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 200	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 100	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 0	4.7	79.3	84.7	89.3	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	6.0	55.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	6.0	60.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	6.0	62.0	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	6.0	62.7	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	6.0	64.7	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	6.0	66.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	6.0	67.3	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	6.0	68.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	6.0	69.3	73.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	6.0	71.3	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	6.0	71.3	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	6.0	72.0	76.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	6.0	72.0	76.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	6.0	75.3	79.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	6.0	77.3	82.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	6.0	77.3	83.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	6.0	80.0	86.0	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	6.0	80.0	86.0	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	6.0	80.0	86.0	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	6.0	81.3	87.3	92.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	6.0	82.0	88.0	92.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	6.0	82.0	88.0	92.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	6.0	82.7	88.7	93.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	6.0	82.7	88.7	93.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	6.0	82.7	88.7	93.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	6.0	82.7	88.7	93.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	6.0	83.3	89.3	94.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

APR  
MONTH

18

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.3	57.3	60.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	5.3	64.7	68.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
18000	5.3	64.7	68.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
16000	5.3	64.7	68.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
14000	5.3	66.0	69.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
12000	5.3	68.7	72.0	74.7	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0
10000	5.3	72.0	76.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0
9000	5.3	73.3	77.3	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
8000	5.3	74.7	78.7	82.0	82.3	82.3	82.3	84.0	84.0	84.0	84.0	84.0	84.0
7000	5.3	74.7	79.3	82.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
6000	5.3	75.3	80.0	83.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3
5000	5.3	76.7	81.3	84.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
4500	5.3	76.7	81.3	84.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
4000	6.0	78.0	83.3	86.7	88.7	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0
3500	6.0	79.3	84.7	88.7	90.7	90.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0
3000	6.0	80.7	86.0	90.7	92.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0
2500	6.0	80.7	86.0	90.7	92.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0
2000	6.0	81.3	86.7	91.3	93.3	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7
1800	6.0	81.3	86.7	91.3	93.3	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7
1500	6.0	82.0	88.0	92.7	94.7	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0
1200	6.0	82.0	88.0	92.7	94.7	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0
1000	6.0	82.0	88.0	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7
900	6.0	82.0	88.0	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7
800	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
700	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
600	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
500	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
400	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
300	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
200	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
100	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
0	6.0	82.0	88.0	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
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YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.7	64.7	68.7	71.3	72.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 20000	5.3	66.7	70.7	73.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	5.3	66.7	70.7	73.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	5.3	66.7	70.7	73.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	5.3	67.3	71.3	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	5.3	67.3	71.3	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10000	5.3	70.0	74.0	76.7	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	5.3	70.0	74.7	77.3	78.0	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	5.3	71.3	76.0	79.3	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	5.3	72.7	77.3	80.7	82.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	5.3	72.7	77.3	80.7	82.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	5.3	74.0	78.7	82.0	83.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	5.3	74.7	79.3	82.7	84.0	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	5.3	75.3	80.7	85.3	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	5.3	75.3	80.7	85.3	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000	5.3	77.3	82.7	88.0	89.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	5.3	77.3	82.7	88.7	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	5.3	78.7	84.7	90.7	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	5.3	78.7	84.7	90.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	5.3	78.7	84.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	5.3	78.7	84.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	5.3	79.3	85.3	91.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	5.3	79.3	85.3	91.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	5.3	79.3	85.3	91.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	5.3	79.3	85.3	91.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	5.3	80.0	86.0	92.0	94.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	5.3	80.7	87.3	93.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEAR

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	4.0	54.1	58.3	60.3	61.1	61.2	61.6	61.7	61.7	61.8	61.8	62.0	62.1
≥ 20000	4.2	57.3	61.8	63.9	64.8	65.0	65.5	65.6	65.6	65.7	65.8	65.9	66.0
≥ 18000	4.2	57.6	62.2	64.3	65.3	65.4	65.9	66.0	66.0	66.1	66.2	66.3	66.4
≥ 16000	4.2	57.7	62.3	64.3	65.3	65.5	66.0	66.1	66.1	66.2	66.3	66.4	66.5
≥ 14000	4.2	58.2	62.9	65.1	66.2	66.3	66.8	66.9	66.9	67.0	67.1	67.3	67.4
≥ 12000	4.2	59.1	63.8	66.0	67.1	67.3	67.8	67.9	67.9	68.0	68.1	68.3	68.4
≥ 10000	4.3	61.3	66.3	68.5	69.6	69.8	70.4	70.6	70.6	70.7	70.8	70.9	71.1
≥ 9000	4.3	62.3	67.3	69.7	70.8	71.0	71.7	71.8	71.8	71.9	72.0	72.2	72.3
≥ 8000	4.4	63.7	68.8	71.8	73.0	73.3	74.0	74.2	74.3	74.3	74.3	74.5	74.7
≥ 7000	4.5	64.7	70.0	73.0	74.3	74.7	75.3	75.6	75.6	75.7	75.8	75.9	76.1
≥ 6000	4.5	64.8	70.3	73.3	74.8	75.3	75.9	76.2	76.2	76.3	76.3	76.5	76.7
≥ 5000	4.5	65.4	71.1	74.3	75.8	76.3	76.9	77.2	77.2	77.3	77.3	77.5	77.7
≥ 4500	4.5	65.8	71.4	74.6	76.2	76.6	77.3	77.5	77.5	77.6	77.7	77.8	78.0
≥ 4000	4.6	67.1	73.0	76.5	78.3	78.7	79.4	79.8	79.8	79.8	79.9	80.1	80.3
≥ 3500	4.6	67.7	73.7	77.3	79.0	79.4	80.2	80.5	80.5	80.6	80.7	80.8	81.0
≥ 3000	4.6	68.9	75.4	79.3	81.3	81.7	82.4	82.8	82.8	82.8	82.9	83.1	83.3
≥ 2500	4.7	70.5	77.2	81.3	83.6	84.0	84.8	85.2	85.2	85.3	85.4	85.6	85.8
≥ 2000	4.7	71.8	78.6	82.8	85.0	85.4	86.2	86.6	86.6	86.8	86.8	87.0	87.2
≥ 1800	4.7	71.9	78.8	83.0	85.3	85.8	86.5	87.0	87.0	87.2	87.3	87.4	87.6
≥ 1500	4.7	73.2	80.7	85.4	87.8	88.3	89.1	89.6	89.6	89.8	89.8	90.0	90.2
≥ 1200	4.7	73.7	81.3	86.2	88.7	89.1	89.9	90.4	90.4	90.6	90.7	90.8	91.0
≥ 1000	4.8	73.9	81.7	87.0	89.8	90.3	91.3	91.8	91.8	92.2	92.3	92.4	92.7
≥ 900	4.8	74.0	81.8	87.3	90.2	90.7	91.8	92.3	92.3	92.7	92.8	92.9	93.2
≥ 800	4.8	74.1	82.1	87.8	91.0	91.5	92.7	93.2	93.2	93.5	93.6	93.8	94.0
≥ 700	4.8	74.2	82.2	87.8	91.1	91.7	92.9	93.5	93.5	93.9	94.0	94.2	94.4
≥ 600	4.8	74.4	82.4	88.1	91.5	92.1	93.3	93.9	93.9	94.3	94.4	94.7	94.9
≥ 500	4.8	74.6	82.8	88.6	92.3	93.2	94.6	95.5	95.5	96.0	96.1	96.5	96.8
≥ 400	4.8	74.6	82.9	88.8	92.5	93.6	95.3	96.3	96.3	96.9	97.0	97.5	97.8
≥ 300	4.8	74.7	83.0	88.8	92.7	93.8	95.8	97.0	97.0	97.9	98.0	98.6	98.9
≥ 200	4.8	74.7	83.0	88.8	92.7	93.8	95.8	97.3	97.3	98.3	98.3	98.9	99.5
≥ 100	4.8	74.7	83.0	88.8	92.7	93.8	95.8	97.3	97.3	98.3	98.3	98.9	100.0
≥ 0	4.8	74.7	83.0	88.8	92.7	93.8	95.8	97.3	97.3	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

00

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000		40.0	48.4	56.8	60.0	62.6	65.2	66.5	66.5	66.5	66.5	67.1
18000		45.2	54.8	64.5	67.7	70.3	72.9	74.2	74.2	74.2	74.2	74.8
16000		45.2	54.8	64.5	67.7	70.3	72.9	74.2	74.2	74.2	74.2	74.8
14000		45.2	54.8	64.5	67.7	70.3	72.9	74.2	74.2	74.2	74.2	74.8
12000		45.2	54.8	64.5	67.7	70.3	72.9	74.2	74.2	74.2	74.2	74.8
10000		48.4	58.7	69.0	72.3	74.8	77.4	78.7	78.7	78.7	78.7	79.4
9000		48.4	58.7	69.0	72.3	74.8	77.4	78.7	78.7	78.7	78.7	79.4
8000		49.7	61.3	71.6	75.5	78.1	80.7	81.9	81.9	81.9	81.9	82.6
7000		49.7	61.3	71.6	75.5	78.1	80.7	81.9	81.9	81.9	81.9	82.6
6000		49.7	61.3	71.6	75.5	78.1	80.7	81.9	81.9	81.9	81.9	82.6
5000		49.7	61.3	71.6	75.5	78.1	80.7	81.9	81.9	81.9	81.9	82.6
4500		49.7	61.3	71.6	75.5	78.1	80.7	81.9	81.9	81.9	81.9	82.6
4000		50.3	62.6	72.9	76.8	79.4	81.9	83.2	83.2	83.2	83.2	83.9
3500		51.0	63.2	73.6	77.4	80.0	82.6	83.9	83.9	83.9	83.9	84.5
3000		51.6	63.9	74.2	78.1	80.7	83.2	85.2	85.2	85.2	85.2	85.8
2500		52.3	64.5	74.8	78.7	81.3	83.9	85.8	85.8	85.8	85.8	86.5
2000		52.3	65.2	75.5	79.4	81.9	84.5	86.5	86.5	86.5	86.5	87.1
1800		52.3	65.2	75.5	79.4	81.9	84.5	86.5	86.5	86.5	86.5	87.1
1500		52.9	65.8	76.1	80.0	82.6	85.2	87.1	87.1	87.1	87.1	87.7
1200		53.6	66.5	76.8	80.7	83.2	85.8	87.7	87.7	87.7	87.7	88.4
1000		54.8	68.4	80.7	84.5	87.1	89.7	91.6	91.6	91.6	91.6	92.3
900		55.5	69.7	81.9	85.8	88.4	91.0	92.9	92.9	92.9	92.9	93.6
800		56.1	70.3	82.6	86.5	89.0	91.6	93.6	93.6	93.6	93.6	94.2
700		56.1	70.3	82.6	86.5	89.0	91.6	93.6	93.6	93.6	93.6	94.2
600		56.1	70.3	83.2	88.4	91.0	93.6	95.5	95.5	95.5	95.5	96.1
500		56.1	70.3	83.2	88.4	91.0	94.2	96.1	96.1	96.1	96.1	96.8
400		56.1	70.3	83.2	88.4	91.0	94.8	96.8	96.8	97.4	97.4	98.1
300		56.1	70.3	84.5	89.7	92.3	96.1	98.1	98.1	98.7	98.7	99.4
200		56.1	70.3	84.5	89.7	92.3	96.1	98.1	98.1	98.7	98.7	99.4
100		56.1	70.3	84.5	89.7	92.3	96.1	98.1	98.1	98.7	98.7	99.4
0		56.1	70.3	84.5	89.7	92.3	96.1	98.1	98.1	98.7	98.7	99.4

TOTAL NUMBER OF OBSERVATIONS

155



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

03  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING		32.3	40.7	46.5	53.6	54.2	59.4	61.3	61.3	61.9	61.9	61.9	62.6	62.6	62.6
≥ 20000		34.8	44.5	51.0	58.7	59.4	64.5	66.5	66.5	67.1	67.1	67.1	67.7	67.7	67.7
≥ 18000	AI	34.8	44.5	51.0	58.7	59.4	64.5	66.5	66.5	67.1	67.1	67.1	67.7	67.7	67.7
≥ 16000	AI	34.8	44.5	51.0	58.7	59.4	64.5	66.5	66.5	67.1	67.1	67.1	67.7	67.7	67.7
≥ 14000	AI	34.8	44.5	51.0	58.7	59.4	64.5	66.5	66.5	67.1	67.1	67.1	67.7	67.7	67.7
≥ 12000	AI	35.5	45.2	51.6	59.4	60.0	65.2	67.1	67.1	67.7	67.7	67.7	68.4	68.4	68.4
≥ 10000	AI	37.4	50.3	56.8	64.5	65.2	70.3	72.3	72.3	72.9	72.9	72.9	73.6	73.6	73.6
≥ 9000	AI	37.4	50.3	56.8	64.5	65.2	70.3	72.3	72.3	72.9	72.9	72.9	73.6	73.6	73.6
≥ 8000	AI	38.1	52.3	60.0	68.4	69.0	74.2	76.1	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 7000	AI	38.1	52.3	60.0	68.4	69.0	74.2	76.1	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 6000	AI	38.7	52.9	60.7	69.0	69.7	74.8	76.8	76.8	77.4	77.4	77.4	78.1	78.1	78.1
≥ 5000	AI	38.7	52.9	60.7	69.0	69.7	74.8	76.8	76.8	77.4	77.4	77.4	78.1	78.1	78.1
≥ 4500	AI	39.4	53.6	61.3	69.7	70.3	75.5	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7
≥ 4000	AI	39.4	53.6	61.3	69.7	70.3	75.5	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7
≥ 3500	AI	40.7	55.5	63.9	72.3	72.9	78.1	80.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3
≥ 3000	AI	41.3	56.1	64.5	73.6	74.2	79.4	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6
≥ 2500	AI	41.3	56.1	64.5	73.6	74.2	79.4	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6
≥ 2000	AI	41.9	56.8	65.8	74.8	75.5	80.7	82.6	82.6	83.2	83.2	83.2	83.9	83.9	83.9
≥ 1800	AI	42.6	57.4	67.1	76.1	76.8	81.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1500	AI	42.6	57.4	67.1	76.1	76.8	81.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1200	AI	42.6	57.4	67.1	76.1	76.8	81.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1000	AI	42.6	58.7	69.7	78.7	79.4	84.5	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4
≥ 900	AI	42.6	59.4	70.3	79.4	80.0	85.2	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.0
≥ 800	AI	42.6	60.0	71.0	80.0	80.7	85.8	88.4	88.4	89.0	89.0	89.0	89.7	89.7	89.7
≥ 700	AI	43.9	61.3	72.3	81.3	81.9	87.1	89.7	89.7	91.0	91.0	91.0	91.6	91.6	91.6
≥ 600	AI	43.9	61.3	72.3	81.3	81.9	87.1	89.7	89.7	91.0	91.0	91.0	91.6	91.6	91.6
≥ 500	AI	43.9	61.3	72.3	82.6	83.2	89.0	91.6	91.6	92.9	92.9	92.9	93.6	93.6	93.6
≥ 400	AI	44.5	62.6	74.8	84.5	85.2	91.0	93.6	93.6	94.8	94.8	94.8	95.5	95.5	95.5
≥ 300	AI	44.5	62.6	74.8	84.5	85.8	91.6	94.2	94.2	96.1	96.1	96.1	96.8	96.8	96.8
≥ 200	AI	44.5	62.6	74.8	84.5	85.8	91.6	94.2	94.2	96.8	96.8	96.8	97.4	97.4	97.4
≥ 100	AI	44.5	62.6	74.8	84.5	85.8	91.6	94.2	94.2	96.8	96.8	96.8	97.4	97.4	97.4
≥ 0	AI	44.5	62.6	74.8	84.5	85.8	91.6	94.2	94.2	96.8	96.8	96.8	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 155

## CEILING VERSUS VISIBILITY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

MAY

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

06

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.9	18.7	25.2	29.7	31.0	36.8	40.0	40.7	46.3	46.3	46.3	48.4	48.4	48.4
≥ 20000	14.2	20.7	28.4	34.8	37.4	43.9	47.7	48.4	54.2	54.2	54.2	56.8	56.8	56.8
≥ 18000	14.2	20.7	28.4	34.8	37.4	43.9	47.7	48.4	54.2	54.2	54.2	56.8	56.8	56.8
≥ 16000	14.2	20.7	28.4	34.8	37.4	43.9	47.7	48.4	54.2	54.2	54.2	56.8	56.8	56.8
≥ 14000	14.2	20.7	28.4	34.8	37.4	43.9	47.7	48.4	54.2	54.2	54.2	56.8	56.8	56.8
≥ 12000	14.8	21.3	29.0	35.5	38.1	44.5	48.4	49.0	54.8	54.8	54.8	57.4	57.4	57.4
≥ 10000	16.8	23.9	32.3	40.7	43.2	49.7	53.6	54.2	60.0	60.0	60.0	62.6	62.6	62.6
≥ 9000	16.8	23.9	32.3	40.7	43.2	49.7	53.6	54.2	60.0	60.0	60.0	62.6	62.6	62.6
≥ 8000	17.4	24.5	33.6	43.2	45.8	52.3	56.1	56.8	63.2	63.2	63.2	65.8	65.8	65.8
≥ 7000	18.1	25.2	34.2	44.5	47.1	53.6	58.1	58.7	64.5	64.5	64.5	67.7	67.7	67.7
≥ 6000	18.1	25.2	34.2	44.5	47.1	53.6	58.1	58.7	64.5	64.5	64.5	67.7	67.7	67.7
≥ 5000	18.1	25.8	34.8	45.8	48.4	54.8	59.4	60.0	65.8	65.8	65.8	69.7	69.7	69.7
≥ 4500	18.1	25.8	34.8	45.8	48.4	54.8	59.4	60.0	65.8	65.8	65.8	69.7	69.7	69.7
≥ 4000	18.1	25.8	34.8	45.8	48.4	54.8	59.4	60.0	65.8	65.8	65.8	69.7	69.7	69.7
≥ 3500	18.1	25.8	34.8	45.8	48.4	54.8	59.4	60.0	65.8	65.8	65.8	69.7	69.7	69.7
≥ 3000	18.1	25.8	34.8	45.8	48.4	54.8	59.4	60.0	65.8	65.8	65.8	69.7	69.7	69.7
≥ 2500	18.7	26.5	36.8	48.4	51.6	59.4	63.9	64.5	71.0	71.0	71.0	74.8	74.8	74.8
≥ 2000	18.7	26.5	36.8	48.4	51.6	59.4	63.9	64.5	71.0	71.0	71.0	74.8	74.8	74.8
≥ 1800	18.7	26.5	36.8	48.4	51.6	59.4	63.9	64.5	71.0	71.0	71.0	74.8	74.8	74.8
≥ 1600	18.7	26.5	36.8	48.4	51.6	59.4	63.9	64.5	71.0	71.0	71.0	74.8	74.8	74.8
≥ 1400	19.4	27.1	38.7	50.3	53.6	61.3	65.8	66.5	72.9	72.9	72.9	76.8	76.8	76.8
≥ 1200	19.4	27.1	38.7	50.3	53.6	61.3	65.8	66.5	72.9	72.9	72.9	76.8	76.8	76.8
≥ 1000	20.0	28.4	40.0	52.9	56.1	65.8	70.3	71.0	77.4	77.4	77.4	81.3	81.3	81.3
≥ 900	20.0	28.4	40.0	52.9	56.1	65.8	70.3	71.0	77.4	77.4	77.4	81.3	81.3	81.3
≥ 800	20.0	28.4	40.0	52.9	56.1	65.8	70.3	71.0	77.4	77.4	77.4	81.3	81.3	81.3
≥ 700	20.0	28.4	40.0	52.9	56.1	65.8	70.3	71.0	77.4	77.4	77.4	81.3	81.3	81.3
≥ 600	20.0	28.4	40.0	52.9	56.1	65.8	70.3	71.0	77.4	77.4	77.4	81.3	81.3	81.3
≥ 500	20.7	29.0	40.7	53.6	58.1	69.0	74.8	75.3	82.6	82.6	82.6	87.1	87.1	87.1
≥ 400	21.3	29.7	41.3	54.2	58.7	71.6	78.1	78.7	86.5	86.5	86.5	91.6	91.6	91.6
≥ 300	21.3	29.7	41.3	54.2	58.7	71.6	78.1	78.7	86.5	86.5	86.5	91.6	91.6	91.6
≥ 200	21.3	29.7	41.3	54.2	58.7	71.6	78.1	78.7	86.5	86.5	86.5	91.6	91.6	91.6
≥ 100	21.3	29.7	41.3	54.2	58.7	71.6	78.1	78.7	86.5	86.5	86.5	91.6	91.6	91.6
0	21.3	29.7	41.3	54.2	58.7	71.6	78.1	78.7	86.5	86.5	86.5	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

09

HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	1.9	34.2	42.6	50.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	1.9	38.1	47.7	56.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	1.9	38.1	47.7	56.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	1.9	38.1	47.7	56.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	1.9	39.4	49.0	57.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	1.9	40.0	50.3	58.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	1.9	41.3	52.9	61.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	1.9	41.9	53.6	61.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	1.9	42.6	54.8	63.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	1.9	42.6	55.5	64.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	1.9	42.6	55.5	64.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	1.9	42.6	55.5	64.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	1.9	42.6	56.1	65.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	1.9	43.2	56.8	66.5	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	1.9	43.9	57.4	67.1	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	1.9	44.5	58.7	69.0	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	1.9	44.5	58.7	69.0	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	1.9	46.5	61.3	71.6	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	1.9	46.5	61.3	72.3	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	1.9	49.7	65.2	76.1	84.5	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	1.9	50.3	65.8	76.8	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	1.9	52.3	67.7	80.7	89.7	91.6	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	1.9	52.9	68.4	81.3	90.3	92.3	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	1.9	52.9	68.4	81.3	91.0	92.9	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	1.9	52.9	68.4	81.9	91.6	93.6	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	1.9	52.9	68.4	81.9	91.6	93.6	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	1.9	52.9	68.4	81.9	91.6	94.2	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.9	52.9	68.4	81.9	91.6	94.2	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	1.9	52.9	68.4	81.9	91.6	94.2	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	1.9	52.9	68.4	81.9	91.6	94.2	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.9	52.9	68.4	81.9	91.6	94.2	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.9	52.9	68.4	81.9	91.6	94.2	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.9	48.4	54.2	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	2.6	57.4	63.9	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	2.6	58.1	64.5	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	2.6	58.1	64.5	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	2.6	58.1	64.5	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	2.6	60.0	66.5	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	2.6	61.9	68.4	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	2.6	61.9	68.4	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	2.6	61.9	68.4	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	2.6	62.6	69.0	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	2.6	63.2	69.7	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	2.6	63.9	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	2.6	63.9	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	2.6	67.1	74.2	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	2.6	68.4	75.5	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	3.2	72.3	79.4	83.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	3.2	74.8	81.9	85.8	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	3.2	76.8	84.5	88.4	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	3.2	77.4	85.2	89.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	3.2	78.7	86.5	90.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	3.2	78.7	86.5	90.3	92.9	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	3.2	78.7	86.5	90.3	92.9	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	3.2	78.7	86.5	90.3	92.9	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	3.2	78.7	86.5	91.0	94.2	94.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	3.2	78.7	86.5	91.0	94.2	95.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	3.2	78.7	86.5	91.0	94.2	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.2	78.7	86.5	91.0	94.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	3.2	78.7	86.5	91.0	94.8	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	3.2	78.7	86.5	91.0	95.5	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.2	78.7	86.5	91.0	95.5	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.2	78.7	86.5	91.0	95.5	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0
0	3.2	78.7	86.5	91.0	95.5	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

15  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	3.2	52.3	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	3.2	60.0	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
18000	3.2	60.0	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	3.2	60.0	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
14000	3.2	61.3	65.8	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	3.2	62.6	67.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
10000	3.2	65.2	69.7	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	3.2	66.5	71.0	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
8000	3.2	69.7	74.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	3.2	69.7	75.5	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
6000	3.2	69.7	75.5	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
5000	3.2	70.3	76.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	3.2	70.3	76.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4000	3.2	72.9	78.7	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
3500	3.9	73.6	79.4	83.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000	3.9	74.8	81.3	87.1	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	3.9	75.5	82.6	89.0	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6
2000	3.9	75.5	82.6	89.0	92.9	93.6	94.2	94.2	94.2	94.8	94.8	94.8
1800	3.9	75.5	82.6	89.0	92.9	93.6	94.2	94.2	94.2	94.8	94.8	94.8
1500	3.9	76.1	83.9	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8
1200	3.9	76.1	83.9	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8
1000	3.9	76.1	83.9	91.0	95.5	96.1	96.8	96.8	96.8	97.4	97.4	97.4
900	3.9	76.1	83.9	91.0	95.5	96.1	96.8	96.8	96.8	97.4	97.4	97.4
800	3.9	76.1	83.9	91.0	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1
700	3.9	76.1	83.9	91.0	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1
600	3.9	76.1	83.9	91.0	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1
500	3.9	76.1	83.9	91.0	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1
400	3.9	76.1	83.9	91.0	96.1	97.4	98.1	98.1	98.1	98.7	98.7	98.7
300	3.9	76.1	83.9	91.0	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
200	3.9	76.1	83.9	91.0	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
100	3.9	76.1	83.9	91.0	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
0	3.9	76.1	83.9	91.0	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	3.9	51.6	58.1	61.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	3.9	59.4	67.1	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
18000	3.9	59.4	67.1	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
16000	3.9	59.4	67.1	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
14000	3.9	60.0	67.7	71.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
12000	3.9	61.9	69.7	73.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
10000	3.9	63.2	71.6	75.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9000	3.9	63.2	72.3	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4
8000	3.9	63.9	74.8	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
7000	3.9	64.5	75.5	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
6000	3.9	64.5	75.5	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
5000	3.9	66.5	77.4	81.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500	3.9	67.1	78.1	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4000	3.9	68.4	80.0	84.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500	3.9	69.7	81.9	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	3.9	70.3	83.9	89.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	3.9	71.0	84.5	89.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2000	3.9	72.3	85.8	91.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	3.9	72.3	85.8	91.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1500	3.9	72.9	86.5	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200	3.9	72.9	86.5	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1000	3.9	74.2	87.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
900	3.9	74.2	87.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800	3.9	74.2	87.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700	3.9	74.2	87.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	3.9	74.2	87.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
500	3.9	74.8	88.4	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
400	3.9	74.8	88.4	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
300	3.9	74.8	88.4	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200	3.9	74.8	88.4	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100	3.9	74.8	88.4	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	3.9	74.8	88.4	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

153



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.3	46.5	53.6	61.9	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	1.3	49.7	59.4	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	1.3	49.7	59.4	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	1.3	49.7	59.4	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	1.3	49.7	59.4	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	1.3	50.3	60.0	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	1.3	52.9	63.2	73.6	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	1.3	52.9	63.2	73.6	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	1.3	56.1	67.1	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	1.3	56.1	67.1	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	1.3	56.1	67.1	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	1.3	56.8	68.4	80.0	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	1.3	56.8	68.4	80.0	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	1.3	57.4	69.0	80.7	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	1.3	58.1	70.3	81.9	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	1.3	58.7	71.0	82.6	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	1.3	58.7	71.0	83.2	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	1.3	60.7	74.2	85.8	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	1.3	60.7	74.2	85.8	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	1.3	60.7	74.2	85.8	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	1.3	60.7	74.8	86.5	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	1.3	60.7	74.8	87.1	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	1.3	60.7	74.8	87.1	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	1.3	60.7	74.8	87.1	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	1.3	61.3	75.5	87.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	1.3	61.3	75.5	87.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	1.3	61.3	75.5	87.7	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	1.3	62.6	76.8	89.0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.3	62.6	76.8	89.0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.3	62.6	76.8	89.0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	1.3	62.6	76.8	89.0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	1.3	62.6	76.8	89.0	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.5	39.8	46.6	52.1	55.6	56.3	58.0	58.8	58.9	59.7	59.7	59.7	60.1	60.1
≥ 20000	1.6	44.8	52.8	59.0	62.9	63.8	65.6	66.5	66.5	67.3	67.3	67.3	67.8	67.8
≥ 18000	1.6	44.9	52.9	59.1	63.0	63.9	65.7	66.5	66.6	67.4	67.4	67.4	67.9	67.9
≥ 16000	1.6	44.9	52.9	59.1	63.0	63.9	65.7	66.5	66.6	67.4	67.4	67.4	67.9	67.9
≥ 14000	1.6	45.3	53.3	59.5	63.4	64.3	66.1	66.9	67.0	67.8	67.8	67.8	68.3	68.3
≥ 12000	1.6	46.3	54.4	60.9	64.8	65.7	67.4	68.3	68.4	69.2	69.2	69.2	69.7	69.7
≥ 10000	1.6	48.4	57.3	64.1	68.2	69.1	70.9	71.8	71.9	72.7	72.7	72.7	73.2	73.2
≥ 9000	1.6	48.6	57.7	64.4	68.7	69.6	71.4	72.3	72.3	73.2	73.2	73.2	73.6	73.6
≥ 8000	1.6	49.9	59.8	66.9	71.8	72.7	74.4	75.3	75.4	76.2	76.3	76.3	76.8	76.9
≥ 7000	1.6	50.2	60.2	67.4	72.3	73.2	75.0	76.0	76.1	76.9	76.9	76.9	77.4	77.5
≥ 6000	1.6	50.2	60.2	67.5	72.4	73.3	75.1	76.1	76.1	76.9	77.0	77.0	77.5	77.6
≥ 5000	1.6	50.8	61.0	68.4	73.5	74.4	76.2	77.2	77.3	78.1	78.2	78.2	78.7	78.9
≥ 4500	1.6	50.9	61.1	68.6	73.6	74.6	76.4	77.3	77.4	78.2	78.4	78.4	78.9	79.0
≥ 4000	1.6	52.1	62.6	70.4	75.7	76.8	78.6	79.6	79.7	80.5	80.7	80.7	81.1	81.3
≥ 3500	1.7	52.7	63.4	71.3	76.7	77.8	79.7	80.7	80.7	81.5	81.7	81.7	82.2	82.3
≥ 3000	1.8	54.0	65.0	73.2	79.0	80.2	82.3	83.4	83.5	84.4	84.6	84.6	85.1	85.2
≥ 2500	1.8	54.6	65.8	74.1	80.0	81.2	83.2	84.4	84.4	85.4	85.6	85.6	86.1	86.2
≥ 2000	1.8	55.5	67.0	75.3	81.4	82.6	84.7	85.8	85.9	86.9	87.0	87.0	87.5	87.7
≥ 1800	1.8	55.7	67.2	75.7	81.8	83.0	85.1	86.2	86.3	87.3	87.4	87.4	87.9	88.2
≥ 1500	1.8	56.6	68.3	77.0	83.2	84.4	86.6	87.7	87.8	88.8	89.0	89.0	89.4	89.7
≥ 1200	1.8	56.8	68.6	77.3	83.6	84.8	87.0	88.4	88.5	89.4	89.6	89.6	90.1	90.3
≥ 1000	1.8	57.4	69.5	79.0	85.5	86.9	89.4	90.7	90.8	91.9	92.1	92.1	92.6	92.8
≥ 900	1.8	57.6	69.8	79.4	85.8	87.2	89.8	91.1	91.2	92.3	92.6	92.6	93.1	93.3
≥ 800	1.8	57.7	70.0	79.6	86.3	87.7	90.4	91.8	91.9	93.0	93.2	93.2	93.7	94.0
≥ 700	1.8	57.9	70.2	79.9	86.6	88.1	90.9	92.3	92.3	93.6	93.8	93.8	94.3	94.5
≥ 600	1.8	57.9	70.2	80.0	86.9	88.5	91.3	92.7	92.8	94.0	94.4	94.4	94.8	95.2
≥ 500	1.8	58.1	70.4	80.2	87.3	89.1	92.3	94.0	94.0	95.2	95.6	95.6	96.1	96.4
≥ 400	1.8	58.4	70.8	80.7	87.8	89.7	93.2	94.9	95.0	96.4	96.7	96.7	97.3	97.6
≥ 300	1.8	58.4	70.8	80.9	88.2	90.2	93.8	95.7	95.7	97.4	97.7	97.7	98.3	98.6
≥ 200	1.8	58.4	70.8	80.9	88.2	90.2	94.0	95.9	96.1	97.7	98.1	98.1	98.7	99.1
≥ 100	1.8	58.4	70.8	80.9	88.2	90.2	94.0	95.9	96.1	97.7	98.1	98.1	98.9	99.4
≥ 0	1.8	58.4	70.8	80.9	88.2	90.2	94.0	95.9	96.1	97.7	98.1	98.1	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	1.3	50.0	60.0	67.3	71.3	72.0	74.7	74.7	74.7	75.3	75.3	75.3	75.3
≥ 20000	1.3	55.3	68.0	76.7	80.7	81.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7
AI AI 18000	1.3	55.3	68.0	76.7	80.7	81.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7
AI AI 16000	1.3	55.3	68.0	76.7	80.7	81.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7
AI AI 14000	1.3	55.3	68.0	76.7	80.7	81.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7
AI AI 12000	1.3	56.0	68.7	77.3	81.3	82.0	84.7	84.7	84.7	85.3	85.3	85.3	85.3
AI AI 10000	1.3	59.3	72.7	82.7	87.3	88.0	90.7	90.7	90.7	92.0	92.0	92.0	92.0
AI AI 9000	1.3	59.3	73.3	83.3	88.0	88.7	91.3	91.3	91.3	92.7	92.7	92.7	92.7
AI AI 8000	1.3	60.0	74.7	85.3	90.0	90.7	93.3	93.3	93.3	94.7	94.7	94.7	94.7
AI AI 7000	1.3	60.0	74.7	85.3	90.0	90.7	93.3	93.3	93.3	94.7	94.7	94.7	94.7
AI AI 6000	1.3	60.0	74.7	85.3	90.0	90.7	93.3	93.3	93.3	94.7	94.7	94.7	94.7
AI AI 5000	1.3	60.0	74.7	85.3	90.0	90.7	93.3	93.3	93.3	94.7	94.7	94.7	94.7
AI AI 4500	1.3	60.0	74.7	85.3	90.0	90.7	93.3	93.3	93.3	94.7	94.7	94.7	94.7
AI AI 4000	1.3	60.0	74.7	86.0	90.7	91.3	94.0	94.0	94.0	95.3	95.3	95.3	95.3
AI AI 3500	1.3	60.0	74.7	86.0	90.7	91.3	94.0	94.0	94.0	95.3	95.3	95.3	95.3
AI AI 3000	1.3	60.7	76.0	87.3	92.0	92.7	95.3	95.3	95.3	96.7	96.7	96.7	96.7
AI AI 2500	1.3	60.7	76.0	88.0	92.7	93.3	96.0	96.0	96.0	97.3	97.3	97.3	97.3
AI AI 2000	1.3	60.7	76.0	88.0	92.7	93.3	96.0	96.0	96.0	97.3	97.3	97.3	97.3
AI AI 1800	1.3	60.7	76.0	88.7	93.3	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0
AI AI 1500	1.3	60.7	76.0	88.7	93.3	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0
AI AI 1200	1.3	60.7	76.0	88.7	93.3	94.0	96.7	96.7	96.7	98.0	98.0	98.0	98.0
AI AI 1000	1.3	61.3	76.7	89.3	94.0	94.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI AI 900	1.3	61.3	76.7	89.3	94.0	94.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI AI 800	1.3	61.3	76.7	89.3	94.0	94.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI AI 700	1.3	61.3	76.7	89.3	94.0	94.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI AI 600	1.3	61.3	76.7	89.3	94.0	94.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI AI 500	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0
AI AI 400	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0
AI AI 300	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0
AI AI 200	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0
AI AI 100	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0
AI AI 0	1.3	61.3	76.7	90.0	94.7	95.3	98.7	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

03  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	40.7	53.3	64.0	68.0	66.7	72.7	72.7	72.7	72.7	72.7	74.7	74.7
≥ 20000	7	44.0	57.3	68.0	72.0	73.3	77.3	77.3	77.3	77.3	77.3	79.3	79.3
≥ 18000	7	44.0	57.3	68.0	72.0	73.3	77.3	77.3	77.3	77.3	77.3	79.3	79.3
≥ 16000	7	44.0	57.3	68.0	72.0	73.3	77.3	77.3	77.3	77.3	77.3	79.3	79.3
≥ 14000	7	44.0	57.3	68.0	72.0	73.3	77.3	77.3	77.3	77.3	77.3	79.3	79.3
≥ 12000	7	45.3	58.7	70.0	74.0	75.3	79.3	79.3	79.3	79.3	81.3	81.3	81.3
≥ 10000	7	47.3	60.7	72.7	77.3	78.7	82.7	82.7	82.7	82.7	84.7	84.7	84.7
≥ 9000	7	47.3	60.7	72.7	77.3	78.7	82.7	82.7	82.7	82.7	84.7	84.7	84.7
≥ 8000	7	48.0	61.3	73.3	80.0	81.3	85.3	85.3	85.3	85.3	87.3	87.3	87.3
≥ 7000	7	48.7	62.7	75.3	82.0	83.3	87.3	87.3	87.3	87.3	89.3	89.3	89.3
≥ 6000	7	48.7	62.7	75.3	82.0	83.3	87.3	87.3	87.3	87.3	89.3	89.3	89.3
≥ 5000	7	49.3	64.0	76.7	83.3	84.7	88.7	88.7	88.7	88.7	90.7	90.7	90.7
≥ 4500	7	49.3	64.0	76.7	83.3	84.7	88.7	88.7	88.7	88.7	90.7	90.7	90.7
≥ 4000	7	50.7	65.3	78.0	84.7	86.0	90.0	90.0	90.0	90.0	92.0	92.0	92.0
≥ 3500	7	50.7	65.3	78.0	84.7	86.0	90.0	90.0	90.0	90.0	92.0	92.0	92.0
≥ 3000	7	50.7	66.0	78.7	86.0	87.3	91.3	91.3	91.3	91.3	93.3	93.3	93.3
≥ 2500	7	50.7	66.0	78.7	86.0	87.3	91.3	91.3	91.3	91.3	93.3	93.3	93.3
≥ 2000	7	50.7	66.0	78.7	86.0	87.3	91.3	91.3	91.3	91.3	93.3	93.3	93.3
≥ 1800	7	50.7	66.0	78.7	86.0	87.3	91.3	91.3	91.3	91.3	93.3	93.3	93.3
≥ 1500	7	51.3	66.7	79.3	86.7	88.0	92.0	92.0	92.0	92.0	94.0	94.0	94.0
≥ 1200	7	51.3	68.0	80.7	88.0	89.3	93.3	93.3	93.3	93.3	95.3	95.3	95.3
≥ 1000	7	52.0	68.7	81.3	89.3	90.7	94.7	94.7	94.7	94.7	96.7	96.7	96.7
≥ 900	7	52.0	68.7	81.3	89.3	90.7	94.7	94.7	94.7	94.7	96.7	96.7	96.7
≥ 800	7	52.0	68.7	81.3	89.3	90.7	94.7	94.7	94.7	94.7	96.7	96.7	96.7
≥ 700	7	52.7	69.3	82.0	90.0	91.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3
≥ 600	7	52.7	69.3	82.0	90.0	91.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3
≥ 500	7	52.7	69.3	82.0	90.0	91.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3
≥ 400	7	52.7	69.3	82.0	90.0	91.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3
≥ 300	7	52.7	69.3	82.7	91.3	92.7	96.7	96.7	96.7	96.7	98.7	98.7	98.7
≥ 200	7	52.7	69.3	82.7	91.3	92.7	96.7	96.7	96.7	96.7	98.7	98.7	98.7
≥ 100	7	52.7	69.3	82.7	91.3	92.7	96.7	96.7	96.7	96.7	98.7	98.7	98.7
≥ 0	7	52.7	69.3	82.7	91.3	92.7	96.7	96.7	96.7	96.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		12.0	20.7	32.0	42.0	44.7	52.7	57.3	62.7	63.3	63.3	64.0	64.7	64.7
≥ 20000		13.3	22.7	34.7	46.0	49.3	58.0	62.7	68.0	68.7	68.7	70.0	70.7	70.7
≥ 18000		13.3	22.7	34.7	46.0	49.3	58.0	62.7	68.0	68.7	68.7	70.0	70.7	70.7
≥ 16000		13.3	22.7	34.7	46.0	49.3	58.0	62.7	68.0	68.7	68.7	70.0	70.7	70.7
≥ 14000		13.3	22.7	34.7	46.0	49.3	58.0	62.7	68.0	68.7	68.7	70.0	70.7	70.7
≥ 12000		16.0	26.0	39.3	50.7	54.0	62.7	67.3	72.7	73.3	73.3	74.7	75.3	75.3
≥ 10000		17.3	28.7	42.0	54.0	58.0	67.3	72.0	78.0	78.7	78.7	80.0	80.7	80.7
≥ 9000		17.3	28.7	42.0	54.0	58.0	67.3	72.0	78.0	79.3	79.3	80.7	81.3	81.3
≥ 8000		18.7	30.7	44.0	56.0	60.0	69.3	74.0	80.0	81.3	81.3	82.7	83.3	83.3
≥ 7000		20.0	32.0	45.3	57.3	61.3	70.7	75.3	82.0	83.3	83.3	84.7	85.3	85.3
≥ 6000		20.0	32.0	45.3	57.3	61.3	70.7	75.3	82.0	83.3	83.3	84.7	85.3	85.3
≥ 5000		20.0	32.0	46.0	58.0	62.0	72.0	76.7	83.3	84.7	84.7	86.0	86.7	86.7
≥ 4500		20.0	32.7	46.0	58.0	62.0	72.0	76.7	83.3	84.7	84.7	86.0	86.7	86.7
≥ 4000		20.0	33.3	46.7	58.7	62.7	72.7	78.0	84.7	86.0	86.0	87.3	88.0	88.0
≥ 3500		20.0	33.3	46.7	58.7	62.7	72.7	78.0	84.7	86.0	86.0	87.3	88.0	88.0
≥ 3000		20.0	33.3	46.7	58.7	62.7	72.7	78.0	84.7	86.0	86.0	87.3	88.0	88.0
≥ 2500		20.0	33.3	47.3	60.0	64.0	74.0	79.3	86.0	87.3	87.3	88.7	89.3	89.3
≥ 2000		20.0	34.0	48.0	60.7	64.7	74.7	80.7	87.3	88.7	88.7	90.0	90.7	90.7
≥ 1800		20.0	34.0	48.0	60.7	64.7	74.7	80.7	87.3	88.7	88.7	90.0	90.7	90.7
≥ 1500		20.0	34.0	48.0	60.7	64.7	74.7	80.7	87.3	88.7	88.7	90.0	90.7	90.7
≥ 1200		20.0	35.3	50.7	63.3	67.3	77.3	83.3	90.0	91.3	91.3	92.7	93.3	93.3
≥ 1000		21.3	36.7	52.0	64.7	68.7	78.7	85.3	92.0	93.3	93.3	94.7	95.3	95.3
≥ 900		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 800		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 700		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 600		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 500		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 400		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 300		21.3	36.7	52.0	64.7	68.7	79.3	86.0	92.7	94.0	94.0	95.3	96.0	96.0
≥ 200		21.3	36.7	52.0	64.7	68.7	80.7	87.3	94.7	96.0	96.0	97.3	97.3	97.3
≥ 100		21.3	36.7	52.0	64.7	68.7	80.7	87.3	94.7	96.7	96.7	98.7	99.3	99.3
≥ 0		21.3	36.7	52.0	64.7	68.7	80.7	87.3	94.7	96.7	96.7	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	43.3	54.7	60.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000	7	47.3	59.3	66.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	7	47.3	59.3	66.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	7	47.3	59.3	66.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	7	47.3	59.3	66.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	7	51.3	63.3	70.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10000	7	52.0	65.3	72.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	7	52.7	66.7	73.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	7	54.7	69.3	76.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	7	54.7	69.3	76.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	7	54.7	69.3	76.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	7	54.7	69.3	76.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	7	54.7	69.3	76.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	7	55.3	70.0	77.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	7	55.3	70.0	77.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	7	55.3	70.0	78.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	7	57.3	72.7	80.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	7	58.0	74.7	82.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	7	59.3	76.0	83.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	7	62.7	79.3	86.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	7	64.0	80.7	88.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	7	64.0	80.7	88.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	7	64.7	81.3	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	7	64.7	81.3	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	7	64.7	81.3	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	7	64.7	81.3	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	7	64.7	82.0	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03066  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUN  
MONTH

12  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.0	44.7	50.0	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	2.0	52.0	58.7	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	2.0	52.0	58.7	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	2.0	52.0	58.7	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	2.0	52.7	59.3	66.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	2.0	56.0	62.7	70.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	2.0	57.3	64.0	71.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	2.0	57.3	64.0	71.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	2.0	59.3	66.0	74.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	2.0	59.3	66.0	74.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	2.0	60.0	66.7	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	2.0	60.0	66.7	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	2.0	60.0	66.7	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	2.0	61.3	68.0	76.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	2.0	64.7	72.7	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	2.0	72.7	80.7	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	2.0	76.0	84.0	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	2.0	76.0	84.0	92.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	2.0	76.0	84.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	2.0	76.0	84.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	2.0	77.3	85.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	2.0	78.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	2.0	76.0	86.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JUN

MONTH

15  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	44.7	54.0	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	1.3	56.7	68.0	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 18000	1.3	56.7	68.0	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 16000	1.3	56.7	68.0	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 14000	1.3	57.3	68.7	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI 12000	2.0	58.7	70.0	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 10000	2.0	62.7	74.0	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 9000	2.0	62.7	74.0	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
AI 8000	2.0	64.0	76.0	81.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
AI 7000	2.0	65.3	78.0	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
AI 6000	2.0	65.3	78.0	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
AI 5000	2.0	66.7	79.3	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
AI 4500	2.0	66.7	79.3	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
AI 4000	2.0	68.0	80.7	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
AI 3500	2.0	69.3	82.7	88.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
AI 3000	2.0	71.3	84.7	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
AI 2500	2.0	73.3	88.0	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AI 2000	2.0	74.0	88.7	94.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
AI 1800	2.0	74.0	88.7	94.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
AI 1500	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7
AI 1200	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 1000	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 900	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 800	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 700	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 600	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 500	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 400	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 300	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 200	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 100	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3
AI 0	2.0	74.7	89.3	95.3	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

YEARS  
73-77

JUN

MOUTH

18

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	44.7	54.7	58.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	1.3	58.0	68.7	74.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	1.3	58.7	69.3	74.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 16000	1.3	58.7	69.3	74.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 14000	1.3	58.7	69.3	74.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 12000	1.3	60.7	72.0	77.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	1.3	64.7	77.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 9000	1.3	66.7	79.3	86.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 8000	1.3	68.0	80.7	87.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000	1.3	68.7	81.3	88.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	1.3	70.0	82.7	89.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 5000	1.3	70.7	83.3	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500	1.3	70.7	83.3	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4000	1.3	71.3	84.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	1.3	71.3	84.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3000	1.3	72.7	86.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	1.3	72.7	86.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	1.3	72.7	86.0	94.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	1.3	73.3	86.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.3	73.3	86.7	94.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

YEARS

JUN

STATION NAME

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	2.7	48.0	58.0	64.0	68.7	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	2.7	56.7	68.7	75.3	80.0	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	2.7	56.7	68.7	75.3	80.0	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	2.7	56.7	68.7	75.3	80.0	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	2.7	56.7	68.7	75.3	80.0	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	2.7	58.7	71.3	78.0	82.7	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 10000	2.7	63.3	76.0	82.7	87.3	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 9000	2.7	63.3	77.3	84.0	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 8000	2.7	63.3	78.0	84.7	89.3	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 7000	2.7	63.3	78.0	84.7	89.3	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 6000	2.7	63.3	78.0	84.7	89.3	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 5000	2.7	63.3	78.0	85.3	90.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500	2.7	63.3	78.0	86.0	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000	2.7	64.0	78.7	88.0	92.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	2.7	64.0	78.7	88.0	92.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	2.7	64.7	79.3	88.7	93.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	2.7	64.7	79.3	88.7	93.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	2.7	65.3	80.0	89.3	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	2.7	65.3	80.0	89.3	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	2.7	66.0	80.7	90.7	95.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	2.7	66.0	80.7	90.7	95.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	2.7	66.0	80.7	90.7	96.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

YEARS

JUN

MONTH

ALL

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.2	41.0	50.7	57.6	61.9	62.6	64.6	65.2	65.2	65.9	66.0	66.3	66.3	66.4
≥ 20000	1.3	47.9	58.9	66.7	71.3	72.2	74.3	74.9	74.9	75.7	75.8	76.2	76.2	76.3
≥ 18000	1.3	48.0	59.0	66.8	71.3	72.3	74.4	75.0	75.0	75.8	75.8	76.3	76.3	76.3
≥ 16000	1.3	48.0	59.0	66.8	71.3	72.3	74.4	75.0	75.0	75.8	75.8	76.3	76.3	76.3
≥ 14000	1.3	48.2	59.2	66.9	71.5	72.4	74.6	75.2	75.2	75.9	76.0	76.4	76.4	76.5
≥ 12000	1.3	50.3	61.6	69.7	74.3	75.3	77.4	78.0	78.0	78.8	78.8	79.3	79.3	79.3
≥ 10000	1.3	53.0	64.8	73.3	78.2	79.2	81.4	82.0	82.0	82.9	83.0	83.4	83.4	83.5
≥ 9000	1.3	53.3	65.6	74.1	79.0	80.0	82.3	82.8	82.8	83.8	83.9	84.3	84.3	84.4
≥ 8000	1.3	54.5	67.1	75.8	81.2	82.2	84.4	85.0	85.0	85.9	86.1	86.5	86.5	86.6
≥ 7000	1.3	55.0	67.8	76.6	82.0	83.1	85.3	85.9	85.9	86.9	87.1	87.5	87.5	87.6
≥ 6000	1.3	55.3	68.0	76.8	82.3	83.3	85.6	86.2	86.2	87.2	87.3	87.8	87.8	87.8
≥ 5000	1.3	55.6	68.5	77.4	82.8	83.9	86.3	86.8	86.8	87.8	88.0	88.4	88.4	88.5
≥ 4500	1.3	55.6	68.5	77.5	82.9	84.0	86.3	86.9	86.9	87.9	88.1	88.5	88.5	88.6
≥ 4000	1.3	56.3	69.3	78.6	84.0	85.1	87.4	88.1	88.1	89.1	89.3	89.7	89.7	89.8
≥ 3500	1.3	56.9	70.2	79.4	84.9	86.0	88.3	89.0	89.0	90.0	90.2	90.6	90.6	90.7
≥ 3000	1.3	58.5	72.1	81.4	87.0	88.1	90.5	91.2	91.2	92.2	92.3	92.8	92.8	92.8
≥ 2500	1.3	59.4	73.2	82.7	88.3	89.4	91.8	92.5	92.5	93.5	93.7	94.1	94.1	94.2
≥ 2000	1.3	59.7	73.7	83.3	89.1	90.2	92.6	93.3	93.3	94.4	94.6	95.0	95.0	95.1
≥ 1800	1.3	59.9	73.9	83.7	89.5	90.6	93.0	93.8	93.8	94.8	95.0	95.4	95.4	95.5
≥ 1500	1.3	60.6	74.6	84.5	90.4	91.5	93.9	94.7	94.7	95.8	95.9	96.3	96.3	96.4
≥ 1200	1.3	60.9	75.3	85.4	91.3	92.4	94.9	95.7	95.7	96.8	96.9	97.3	97.3	97.4
≥ 1000	1.3	61.3	75.8	85.9	92.0	93.1	95.7	96.5	96.5	97.6	97.8	98.2	98.2	98.3
≥ 900	1.3	61.4	75.8	86.0	92.2	93.3	95.9	96.8	96.8	97.8	98.0	98.4	98.4	98.5
≥ 800	1.3	61.4	75.8	86.0	92.3	93.3	96.0	96.8	96.8	97.9	98.1	98.5	98.5	98.6
≥ 700	1.3	61.5	75.9	86.1	92.3	93.4	96.1	96.9	96.9	98.0	98.2	98.6	98.6	98.7
≥ 600	1.3	61.5	75.9	86.1	92.4	93.5	96.2	97.0	97.0	98.1	98.3	98.7	98.7	98.8
≥ 500	1.3	61.5	76.0	86.3	92.6	93.8	96.4	97.3	97.3	98.3	98.5	98.9	98.9	99.0
≥ 400	1.3	61.5	76.0	86.3	92.6	93.8	96.4	97.3	97.3	98.4	98.6	99.0	99.0	99.1
≥ 300	1.3	61.5	76.0	86.3	92.8	93.9	96.6	97.5	97.5	98.6	98.8	99.3	99.3	99.4
≥ 200	1.3	61.5	76.0	86.3	92.8	93.9	96.8	97.8	97.8	98.9	99.1	99.7	99.7	99.8
≥ 100	1.3	61.5	76.0	86.3	92.8	93.9	96.8	97.8	97.8	98.9	99.2	99.8	99.8	100.0
≥ 0	1.3	61.5	76.0	86.3	92.8	93.9	96.8	97.8	97.8	98.9	99.2	99.8	99.8	100.0

1200

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING															
≥ 20000		30.3	43.9	53.6	60.0	61.3	65.8	65.8	65.8	66.5	67.1	67.1	67.1	67.1	67.7
≥ 18000		34.8	51.6	62.6	69.0	70.3	76.1	76.1	76.1	76.8	77.4	77.4	77.4	77.4	78.1
≥ 16000		34.8	51.6	62.6	69.0	70.3	76.1	76.1	76.1	76.8	77.4	77.4	77.4	77.4	78.1
≥ 14000		35.5	52.3	63.2	70.3	71.6	77.4	77.4	77.4	78.1	78.7	78.7	78.7	78.7	79.4
≥ 12000		37.4	54.8	66.5	74.2	75.5	81.9	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.9
≥ 10000		40.7	58.1	69.7	78.7	80.0	86.5	86.5	86.5	87.1	87.7	87.7	87.7	87.7	88.4
≥ 9000		41.3	58.7	71.0	80.0	81.3	87.7	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.7
≥ 8000		41.9	60.0	72.3	81.3	82.6	89.0	89.0	89.0	89.7	90.3	90.3	90.3	90.3	91.0
≥ 7000		41.9	60.0	72.9	81.9	83.2	89.7	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.6
≥ 6000		41.9	60.0	72.9	81.9	83.2	89.7	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.6
≥ 5000		42.6	60.7	73.6	82.6	83.9	90.3	90.3	90.3	91.0	91.6	91.6	91.6	91.6	92.3
≥ 4500		42.6	60.7	73.6	82.6	83.9	90.3	90.3	90.3	91.0	91.6	91.6	91.6	91.6	92.3
≥ 4000		43.2	61.3	74.8	83.9	85.2	91.6	91.6	91.6	92.3	92.9	92.9	92.9	92.9	93.6
≥ 3500		43.9	61.9	76.1	85.2	86.5	92.9	92.9	92.9	93.6	94.2	94.2	94.2	94.2	94.8
≥ 3000		43.9	61.9	76.8	86.5	87.7	94.2	94.2	94.2	94.8	95.5	95.5	95.5	95.5	96.1
≥ 2500		43.9	61.9	76.8	86.5	87.7	94.2	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.8
≥ 2000		43.9	61.9	76.8	86.5	87.7	94.8	94.8	94.8	96.1	96.8	96.8	96.8	96.8	97.4
≥ 1800		43.9	61.9	76.8	86.5	87.7	94.8	94.8	94.8	96.1	96.8	96.8	96.8	96.8	97.4
≥ 1500		43.9	61.9	76.8	86.5	87.7	94.8	94.8	94.8	96.1	96.8	96.8	96.8	96.8	97.4
≥ 1200		43.9	61.9	76.8	86.5	87.7	94.8	94.8	94.8	96.1	96.8	96.8	96.8	96.8	97.4
≥ 1000		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 900		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 800		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 700		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 600		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 500		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 400		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 300		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 200		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
≥ 100		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1
0		43.9	61.9	77.4	87.1	88.4	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JUL

MONTH

03

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000	21.3	34.2	48.4	57.4	58.1	67.1	69.7	69.7	69.7	71.6	72.3	72.3	74.2	74.8
≥ 18000	23.2	37.4	53.6	63.9	64.5	73.6	76.1	76.1	76.1	78.1	78.7	78.7	80.7	81.3
≥ 16000	23.2	37.4	53.6	63.9	64.5	73.6	76.1	76.1	76.1	78.1	78.7	78.7	80.7	81.3
≥ 14000	23.2	37.4	53.6	63.9	64.5	73.6	76.1	76.1	76.1	78.1	78.7	78.7	80.7	81.3
≥ 12000	24.5	40.7	56.8	67.1	67.7	76.8	79.4	79.4	79.4	81.3	81.9	81.9	83.9	84.5
≥ 10000	25.8	42.6	58.7	70.3	71.0	80.7	83.2	83.2	83.2	85.2	85.8	85.8	87.7	88.4
≥ 9000	25.8	42.6	58.7	70.3	71.0	81.3	83.9	83.9	83.9	85.8	86.5	86.5	88.4	89.0
≥ 8000	25.8	42.6	58.7	70.3	71.0	81.3	83.9	83.9	83.9	85.8	86.5	86.5	88.4	89.0
≥ 7000	25.8	42.6	58.7	70.3	71.0	81.3	83.9	83.9	83.9	85.8	86.5	86.5	88.4	89.0
≥ 6000	25.8	42.6	58.7	70.3	71.0	81.3	83.9	83.9	83.9	85.8	86.5	86.5	88.4	89.0
≥ 5000	26.5	43.2	59.4	71.0	71.6	81.9	84.5	84.5	84.5	86.5	87.1	87.1	89.0	89.7
≥ 4500	26.5	43.2	59.4	71.0	71.6	81.9	84.5	84.5	84.5	86.5	87.1	87.1	89.0	89.7
≥ 4000	26.5	43.2	59.4	71.0	71.6	81.9	84.5	84.5	84.5	86.5	87.1	87.1	89.0	89.7
≥ 3500	27.7	44.5	60.7	72.3	72.9	83.2	85.8	85.8	85.8	87.7	88.4	88.4	90.3	91.0
≥ 3000	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 2500	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 2000	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 1800	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 1500	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 1200	29.0	45.8	62.6	74.2	74.8	85.2	87.7	87.7	87.7	89.7	90.3	90.3	92.3	92.9
≥ 1000	29.7	47.1	63.9	75.5	75.5	86.5	89.0	89.0	89.0	91.0	91.6	91.6	93.6	94.2
≥ 900	29.7	47.1	63.9	75.5	75.5	86.5	89.0	89.0	89.0	91.0	91.6	91.6	93.6	94.2
≥ 800	29.7	47.1	63.9	75.5	75.5	86.5	89.0	89.0	89.0	91.0	91.6	91.6	93.6	94.2
≥ 700	29.7	47.1	63.9	75.5	75.5	86.5	89.0	89.0	89.0	91.0	91.6	91.6	93.6	94.2
≥ 600	29.7	47.1	63.9	75.5	75.5	86.5	89.0	89.0	89.0	91.0	91.6	91.6	93.6	94.2
≥ 500	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8
≥ 400	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8
≥ 300	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8
≥ 200	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8
≥ 100	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8
≥ 0	30.3	47.7	64.5	76.1	76.1	88.4	91.0	91.0	91.0	93.6	94.2	94.2	96.1	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUL  
MONTH

06  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		5.8	10.3	19.4	23.2	27.1	35.5	43.9	44.5	52.3	54.8	56.8	56.8
≥ 18000		6.5	11.0	20.7	26.5	30.3	40.7	49.7	50.3	58.7	61.3	63.9	63.9
≥ 16000		6.5	11.0	20.7	26.5	30.3	40.7	49.7	50.3	58.7	61.3	63.9	63.9
≥ 14000		6.5	11.0	20.7	26.5	30.3	40.7	49.7	50.3	58.7	61.3	63.9	63.9
≥ 12000		8.4	12.9	25.2	31.0	35.5	47.1	56.1	56.8	65.2	67.7	71.0	71.0
≥ 10000		8.4	13.6	25.8	31.6	36.8	49.0	59.4	60.0	69.0	71.6	75.5	75.5
≥ 9000		8.4	13.6	25.8	31.6	36.8	49.0	60.0	60.7	69.7	72.3	76.1	76.1
8000		9.0	15.5	27.7	34.2	39.4	53.6	64.5	65.2	74.2	76.8	80.7	80.7
7000		9.7	16.1	28.4	35.5	40.7	54.8	65.8	66.5	75.5	78.1	81.9	81.9
6000		9.7	16.1	28.4	35.5	40.7	55.5	66.5	67.1	76.1	78.7	82.6	82.6
5000		9.7	16.1	28.4	35.5	40.7	55.5	67.1	67.7	76.8	79.4	83.2	83.2
4500		9.7	16.1	29.0	36.1	41.3	56.1	67.7	68.4	77.4	80.0	83.9	83.9
4000		10.3	16.8	29.7	36.8	41.9	57.4	69.0	69.7	78.7	81.3	85.2	85.2
3500		10.3	16.8	29.7	36.8	41.9	57.4	69.0	69.7	78.7	81.3	85.2	85.2
3000		11.0	17.4	30.3	37.4	42.6	58.1	69.7	70.3	79.4	81.9	85.8	85.8
2500		11.0	17.4	30.3	37.4	42.6	58.1	69.7	70.3	79.4	81.9	85.8	85.8
2000		11.0	17.4	30.3	37.4	42.6	58.7	70.3	71.0	80.0	82.6	86.5	86.5
1800		11.0	17.4	30.3	37.4	42.6	58.7	70.3	71.0	80.0	82.6	86.5	86.5
1500		11.0	17.4	30.3	37.4	42.6	58.7	70.3	71.0	80.0	82.6	86.5	86.5
1200		11.0	17.4	30.3	37.4	42.6	58.7	70.3	71.0	80.0	82.6	86.5	86.5
1000		11.0	17.4	30.3	37.4	42.6	58.7	70.3	71.0	80.0	82.6	86.5	86.5
900		11.0	17.4	31.0	38.1	43.2	59.4	71.0	71.6	80.7	83.2	87.1	87.1
800		11.0	17.4	31.0	38.1	43.2	60.0	71.6	72.3	81.3	83.9	87.7	87.7
700		11.0	17.4	31.0	38.1	43.2	60.0	71.6	72.3	81.3	83.9	87.7	87.7
600		11.6	18.1	31.6	38.7	43.9	60.7	72.3	72.9	81.9	84.5	88.4	88.4
500		11.6	18.1	31.6	38.7	43.9	60.7	72.9	73.6	82.6	85.2	89.7	89.7
400		11.6	18.1	31.6	38.7	43.9	60.7	72.9	73.6	83.2	85.8	90.3	90.3
300		11.6	18.1	31.6	38.7	43.9	61.3	74.2	74.8	83.2	85.8	93.6	93.6
200		11.6	18.1	31.6	38.7	43.9	61.3	74.2	74.8	85.2	89.0	95.5	95.5
100		11.6	18.1	31.6	38.7	43.9	61.3	74.2	74.8	85.2	89.0	95.5	95.5
0		11.6	18.1	31.6	38.7	43.9	61.3	74.2	74.8	85.2	89.0	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03266  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000		30.3	41.9	52.9	61.9	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2
18000		33.6	46.5	58.1	67.1	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3
16000		33.6	46.5	58.1	67.1	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3
14000		33.6	46.5	58.1	67.1	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3
12000		34.8	47.7	59.4	68.4	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6
10000		36.1	49.7	61.9	72.3	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1
9000		37.4	52.9	65.8	76.8	80.0	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3
8000		37.4	52.9	65.8	77.4	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9
7000		37.4	53.6	67.1	79.4	82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9
6000		38.1	54.2	67.7	80.0	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5
5000		38.1	54.2	68.4	80.7	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2
4500		38.1	54.2	69.0	81.9	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5
4000		38.7	54.8	69.7	82.6	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
3500		38.7	54.8	69.7	82.6	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
3000		38.7	54.8	69.7	82.6	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
2500		38.7	54.8	69.7	82.6	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
2000		38.7	54.8	69.7	82.6	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
1800		39.4	55.5	70.3	83.9	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4
1500		39.4	55.5	71.0	84.5	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0
1200		39.4	55.5	71.0	84.5	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7
1000		40.0	57.4	72.9	87.1	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9
900		40.0	57.4	73.6	87.7	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2
800		40.0	57.4	74.8	90.3	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8
700		40.0	57.4	75.5	91.0	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
600		40.0	57.4	75.5	91.0	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
500		40.0	57.4	75.5	91.0	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
400		40.0	57.4	75.5	91.0	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7
300		40.0	57.4	75.5	91.0	96.8	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0
200		40.0	57.4	75.5	91.0	96.8	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0
100		40.0	57.4	75.5	91.0	96.8	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0
0		40.0	57.4	75.5	91.0	96.8	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000		26.5	33.6	40.0	46.5	48.4	49.0	49.7	49.7	49.7	49.7	49.7
≥ 18000		33.6	41.9	49.7	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4
≥ 16000		33.6	41.9	49.7	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4
≥ 14000		33.6	41.9	49.7	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4
≥ 12000		34.8	43.2	51.0	57.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7
≥ 10000		36.8	45.8	53.6	60.7	62.6	63.2	63.9	63.9	63.9	63.9	63.9
≥ 9000		37.4	47.1	54.8	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2
≥ 8000		37.4	47.1	54.8	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2
≥ 7000		38.1	47.7	55.5	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5
≥ 6000		38.1	47.7	55.5	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5
≥ 5000		38.7	48.4	56.1	63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1
≥ 4500		38.7	49.0	56.8	64.5	66.5	67.1	67.7	67.7	67.7	67.7	67.7
≥ 4000		40.0	51.0	58.7	68.4	70.3	71.0	71.6	71.6	71.6	71.6	71.6
≥ 3500		42.6	54.2	61.9	71.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 3000		47.7	60.7	70.3	80.0	81.9	82.6	83.2	83.2	83.2	83.2	83.2
≥ 2500		54.2	67.7	78.7	89.7	91.6	92.3	92.9	92.9	92.9	92.9	92.9
≥ 2000		56.1	70.3	82.6	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8
≥ 1800		56.1	70.3	82.6	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8
≥ 1500		56.8	71.0	83.2	94.2	96.1	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1200		56.8	71.0	83.2	94.2	96.1	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1000		56.8	71.6	84.5	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7
≥ 900		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 800		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 700		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 600		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 500		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 400		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 100		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
0		57.4	72.3	85.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JUL

MONTH

15

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		25.8	31.6	37.4	43.2	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		35.5	45.2	52.3	58.7	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		35.5	45.2	52.3	58.7	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		35.5	45.2	52.3	58.7	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		35.5	45.2	52.3	59.4	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000		37.4	47.1	54.8	61.3	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000		37.4	47.1	55.5	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		38.1	48.4	56.8	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000		39.4	49.7	58.7	65.8	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000		40.7	51.0	60.0	67.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000		40.7	51.0	60.0	67.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000		41.3	52.3	62.6	69.7	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500		41.9	52.9	63.2	70.3	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000		43.9	55.5	65.8	73.6	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500		47.7	60.0	70.3	78.1	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000		52.3	65.8	76.8	84.5	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500		55.5	70.3	81.9	89.7	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		55.5	70.3	81.9	90.3	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800		55.5	70.3	81.9	90.3	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		56.1	71.0	82.6	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		56.1	71.0	82.6	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		56.1	71.0	82.6	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		56.1	71.0	82.6	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		56.1	71.0	82.6	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0		56.1	71.6	83.9	92.9	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

JUL  
MONTH

18  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000	1.3	20.7	25.8	32.9	34.8	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000		38.1	49.0	60.7	63.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	1.3	38.1	49.0	60.7	63.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	1.3	38.1	49.0	60.7	63.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	1.3	39.4	50.3	61.9	64.5	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	1.3	43.9	55.5	67.7	70.3	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	1.3	49.0	61.3	73.6	76.1	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000	1.3	50.3	63.2	75.5	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	1.3	51.6	64.5	76.8	79.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	1.3	52.3	65.8	78.1	80.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	1.3	54.8	68.4	81.3	85.2	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 0	1.3	56.1	69.7	82.6	86.5	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING		28.4	38.7	45.8	51.0	53.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000		36.8	51.0	60.7	68.4	71.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000		36.8	51.0	60.7	68.4	71.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000		36.8	51.0	60.7	68.4	71.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000		36.8	51.0	61.3	69.0	71.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000		38.7	53.6	65.2	72.9	75.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	.7	41.9	57.4	69.0	76.8	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	.7	42.6	58.1	70.3	78.1	80.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	.7	44.5	60.0	72.3	80.0	82.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	.7	45.2	60.7	72.9	80.7	83.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	.7	45.2	60.7	72.9	80.7	83.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	.7	46.5	61.9	74.2	82.6	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	.7	47.1	62.6	74.8	83.2	85.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	.7	47.1	62.6	74.8	83.2	85.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	.7	47.1	63.2	76.1	84.5	87.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	.7	47.1	63.9	76.8	85.8	89.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	.7	47.7	65.2	78.7	88.4	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	.7	47.7	65.2	78.7	89.0	92.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	.7	47.7	65.2	78.7	89.0	92.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	.7	47.7	65.2	78.7	89.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	.7	47.7	65.2	78.7	89.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	.7	47.7	65.2	78.7	89.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	.7	47.7	65.2	78.7	89.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	.7	47.7	65.2	78.7	89.7	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	.7	47.7	65.2	79.4	90.3	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	.7	47.7	65.2	79.4	90.3	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	.7	47.7	65.2	79.4	90.3	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	.7	47.7	65.2	79.4	90.3	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	.7	47.7	65.2	79.4	91.0	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	.7	47.7	65.2	79.4	91.0	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	.7	47.7	65.2	79.4	91.0	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	.7	47.7	65.2	79.4	91.0	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000	.2	23.6	32.5	41.3	47.3	49.3	52.7	54.2	54.3	55.7	56.1	56.6	56.6	56.8	56.9
≥ 18000	.2	30.2	41.7	52.3	59.1	61.2	65.2	66.8	66.9	68.3	68.8	69.4	69.4	69.5	69.6
≥ 16000	.2	30.2	41.7	52.3	59.1	61.2	65.3	66.9	66.9	68.4	68.9	69.4	69.4	69.6	69.7
≥ 14000	.2	30.2	41.7	52.3	59.1	61.2	65.3	66.9	66.9	68.4	68.9	69.4	69.4	69.6	69.7
≥ 12000	.2	30.8	42.3	53.0	59.9	62.0	66.2	67.7	67.8	69.3	69.8	70.3	70.3	70.5	70.6
≥ 10000	.2	32.9	45.0	56.5	63.7	66.1	70.5	72.0	72.1	73.6	74.0	74.7	74.7	74.8	74.9
≥ 9000	.2	34.8	47.5	59.1	66.8	69.4	74.0	75.7	75.7	77.3	77.7	78.5	78.5	78.6	78.7
≥ 8000	.2	35.2	48.1	59.8	67.7	70.2	75.0	76.7	76.8	78.3	78.8	79.5	79.5	79.7	79.8
≥ 7000	.2	36.0	49.2	61.1	69.2	71.9	76.8	78.6	78.6	80.2	80.7	81.4	81.4	81.5	81.6
≥ 6000	.2	36.5	49.8	61.8	69.9	72.7	77.6	79.4	79.4	81.0	81.5	82.2	82.2	82.3	82.4
≥ 5000	.2	36.5	49.8	61.9	70.0	72.7	77.7	79.5	79.6	81.1	81.6	82.3	82.3	82.5	82.6
≥ 4500	.2	36.9	50.3	62.7	71.0	73.7	78.7	80.6	80.7	82.2	82.7	83.4	83.4	83.6	83.6
≥ 4000	.2	37.2	50.7	63.1	71.4	74.1	79.1	81.0	81.1	82.6	83.1	83.8	83.8	84.0	84.0
≥ 3500	.2	37.7	51.4	64.0	72.6	75.6	80.7	82.5	82.6	84.1	84.6	85.3	85.3	85.5	85.6
≥ 3000	.2	38.9	52.7	65.5	74.2	77.3	82.4	84.3	84.4	85.9	86.4	87.1	87.1	87.3	87.3
≥ 2500	.2	40.6	54.8	68.1	77.0	80.2	85.4	87.3	87.3	89.0	89.4	90.2	90.2	90.3	90.4
≥ 2000	.2	42.0	56.6	70.2	79.4	82.5	87.7	89.6	89.7	91.4	91.9	92.6	92.6	92.7	92.8
≥ 1800	.2	42.3	56.9	70.7	80.2	83.3	88.9	90.7	90.8	92.5	93.0	93.7	93.7	93.9	94.0
≥ 1500	.2	42.3	57.0	70.7	80.2	83.4	89.0	90.8	90.9	92.6	93.1	93.8	93.8	94.0	94.0
≥ 1200	.2	42.5	57.3	71.1	80.7	83.9	89.4	91.4	91.5	93.2	93.6	94.4	94.4	94.5	94.6
≥ 1000	.2	42.5	57.3	71.1	80.8	84.0	89.6	91.5	91.6	93.3	93.8	94.5	94.5	94.7	94.8
≥ 900	.2	42.7	57.7	71.7	81.5	84.8	90.4	92.3	92.4	94.1	94.6	95.4	95.4	95.6	95.7
≥ 800	.2	42.8	57.8	72.2	82.3	85.7	91.3	93.2	93.3	95.0	95.5	96.3	96.3	96.5	96.5
≥ 700	.2	42.8	57.9	72.3	82.4	85.8	91.5	93.4	93.5	95.2	95.7	96.5	96.5	96.6	96.7
≥ 600	.2	42.9	58.0	72.5	82.6	86.0	91.8	93.7	93.8	95.5	96.0	96.8	96.8	96.9	97.0
≥ 500	.2	43.0	58.1	72.7	82.7	86.2	92.4	94.4	94.5	96.2	96.7	97.6	97.6	97.7	97.8
≥ 400	.2	43.0	58.1	72.7	82.8	86.4	92.7	94.7	94.8	96.5	97.0	97.9	97.9	98.1	98.2
≥ 300	.2	43.0	58.1	72.7	83.0	86.5	92.9	95.1	95.2	97.0	97.7	98.7	98.7	99.0	99.2
≥ 200	.2	43.0	58.1	72.7	83.0	86.5	92.9	95.1	95.2	97.1	97.8	99.0	99.0	99.4	99.6
≥ 100	.2	43.0	58.1	72.7	83.0	86.5	92.9	95.1	95.2	97.1	97.8	99.0	99.0	99.6	99.9
≥ 0	.2	43.0	58.1	72.7	83.0	86.5	92.9	95.1	95.2	97.1	97.8	99.0	99.0	99.6	100.0

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	38.1	50.3	58.1	66.5	69.0	73.6	73.6	73.6	74.8	74.8	74.8	76.1	76.8
≥ 20000	7	42.6	55.5	65.2	73.6	76.1	81.3	81.3	81.3	82.6	82.6	82.6	84.5	85.8
AI 18000	7	42.6	55.5	65.2	73.6	76.1	81.3	81.3	81.3	82.6	82.6	82.6	84.5	85.8
AI 16000	7	42.6	55.5	65.2	73.6	76.1	81.3	81.3	81.3	82.6	82.6	82.6	84.5	85.8
AI 14000	7	42.6	55.5	65.2	73.6	76.1	81.3	81.3	81.3	82.6	82.6	82.6	84.5	85.8
AI 12000	7	42.6	55.5	65.2	73.6	76.1	81.3	81.3	81.3	82.6	82.6	82.6	84.5	85.8
AI 10000	7	44.5	57.4	68.4	78.1	80.7	86.5	86.5	86.5	87.7	87.7	87.7	89.7	90.3
AI 9000	7	44.5	57.4	69.0	79.4	81.9	87.7	87.7	87.7	89.0	89.0	89.0	91.0	91.6
AI 8000	7	44.5	57.4	69.7	80.0	82.6	88.4	88.4	88.4	89.7	89.7	89.7	91.6	92.3
AI 7000	7	44.5	57.4	70.3	80.7	83.2	89.0	89.0	89.0	90.3	90.3	90.3	92.3	92.9
AI 6000	7	44.5	57.4	70.3	80.7	83.2	89.0	89.0	89.0	90.3	90.3	90.3	92.3	92.9
AI 5000	7	44.5	57.4	70.3	80.7	83.2	89.0	89.0	89.0	90.3	90.3	90.3	92.3	92.9
AI 4500	7	44.5	57.4	70.3	80.7	83.2	89.0	89.0	89.0	90.3	90.3	90.3	92.3	92.9
AI 4000	7	44.5	58.1	71.0	81.3	83.9	89.7	89.7	89.7	91.0	91.0	91.0	92.9	93.6
AI 3500	7	44.5	58.1	71.0	81.3	83.9	89.7	89.7	89.7	91.0	91.0	91.0	92.9	93.6
AI 3000	7	45.2	58.7	72.3	82.6	85.2	91.0	91.0	91.0	92.3	92.3	92.3	94.2	94.8
AI 2500	7	46.5	60.0	73.6	83.9	86.5	92.3	92.3	92.3	93.6	93.6	93.6	95.5	96.1
AI 2000	7	46.5	60.0	73.6	83.9	86.5	92.3	92.3	92.3	93.6	93.6	93.6	95.5	96.1
AI 1800	7	46.5	60.0	73.6	83.9	86.5	92.3	92.3	92.3	93.6	93.6	93.6	95.5	96.1
AI 1500	7	47.1	60.7	74.2	84.5	87.1	92.9	92.9	92.9	94.2	94.2	94.2	96.1	96.8
AI 1200	7	47.1	60.7	74.2	84.5	87.1	92.9	92.9	92.9	94.2	94.2	94.2	96.1	96.8
AI 1000	7	47.1	61.3	74.8	85.2	87.7	93.6	93.6	93.6	94.8	94.8	94.8	96.8	97.4
AI 900	7	47.1	61.3	74.8	85.2	87.7	93.6	93.6	93.6	94.8	94.8	94.8	96.8	97.4
AI 800	7	47.1	61.3	74.8	85.2	87.7	93.6	93.6	93.6	94.8	94.8	94.8	96.8	97.4
AI 700	7	47.1	61.3	74.8	85.2	87.7	93.6	93.6	93.6	94.8	94.8	94.8	96.8	97.4
AI 600	7	47.1	61.3	74.8	85.2	87.7	93.6	93.6	93.6	94.8	94.8	94.8	96.8	97.4
AI 500	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.1	96.1	96.1	98.1	98.7
AI 400	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.1	96.1	96.1	98.1	98.7
AI 300	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.1	96.1	96.1	98.1	98.7
AI 200	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.8	96.8	96.8	98.7	99.4
AI 100	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.8	96.8	96.8	98.7	99.4
AI 0	7	47.1	61.3	74.8	85.2	88.4	94.8	94.8	94.8	96.8	96.8	96.8	98.7	99.4

TOTAL NUMBER OF OBSERVATIONS 135

DIRNAVOCANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03966  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

03  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		23.2	38.1	52.9	59.4	60.7	67.1	69.7	70.3	74.8	78.1	78.7	78.7
AI 18000		24.5	40.0	54.8	61.9	63.2	69.7	72.3	72.9	77.4	80.7	81.3	81.3
AI 16000		24.5	40.0	54.8	61.9	63.2	69.7	72.3	72.9	77.4	80.7	81.3	81.3
AI 14000		24.5	40.0	54.8	61.9	63.2	69.7	72.3	72.9	77.4	80.7	81.3	81.3
AI 12000		25.8	41.9	57.4	64.5	65.8	72.3	74.8	75.5	80.0	83.2	83.9	83.9
AI 10000		26.5	44.5	60.0	67.1	68.4	74.8	77.4	78.1	82.6	85.8	86.5	86.5
AI 9000		26.5	44.5	60.0	68.4	69.7	76.1	78.7	79.4	83.9	87.1	87.7	87.7
AI 8000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 7000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 6000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 5000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 4500		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 4000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 3500		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 3000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 2500		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 2000		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 1800		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 1500		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 1200		26.5	45.2	61.3	69.7	71.0	77.4	80.0	80.7	85.2	88.4	89.0	89.0
AI 1000		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 900		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 800		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 700		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 600		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 500		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 400		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 300		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 200		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 100		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9
AI 0		27.1	47.1	64.5	73.6	74.8	81.3	83.9	84.5	89.0	92.3	92.9	92.9

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		5.2	9.7	12.9	20.0	24.5	38.1	43.9	43.9	51.6	58.1	60.7	60.7	61.9
≥ 20000		5.8	11.0	14.2	21.9	27.1	40.7	46.5	46.5	54.2	60.7	63.9	63.9	65.8
≥ 18000		5.8	11.0	14.2	21.9	27.1	40.7	46.5	46.5	54.2	60.7	63.9	63.9	65.8
≥ 16000		5.8	11.0	14.2	21.9	27.1	40.7	46.5	46.5	54.2	60.7	63.9	63.9	65.8
≥ 14000		6.5	11.6	14.8	22.6	27.7	41.3	47.1	47.1	54.8	61.3	64.5	64.5	66.5
≥ 12000		7.1	12.9	16.1	23.9	29.7	43.9	49.7	49.7	58.7	65.2	68.4	68.4	70.3
≥ 10000		7.1	14.8	18.7	26.5	32.3	47.1	52.9	52.9	61.9	68.4	72.3	72.3	74.2
≥ 9000		7.7	15.5	19.4	27.1	32.9	48.4	54.8	54.8	63.9	70.3	74.2	74.2	76.1
≥ 8000		7.7	15.5	19.4	27.1	32.9	49.0	55.5	55.5	64.5	71.0	74.8	74.8	76.8
≥ 7000		7.7	15.5	19.4	27.1	33.6	49.7	56.1	56.1	65.2	71.6	75.5	75.5	77.4
≥ 6000		8.4	16.1	20.0	27.7	34.2	50.3	56.8	56.8	65.8	72.3	76.1	76.1	78.1
≥ 5000		8.4	16.1	20.7	28.4	34.8	52.3	58.7	58.7	67.7	74.2	78.1	78.1	80.0
≥ 4500		8.4	16.1	20.7	28.4	34.8	52.3	58.7	58.7	67.7	74.2	78.1	78.1	80.0
≥ 4000		8.4	16.1	20.7	28.4	34.8	52.3	58.7	58.7	67.7	74.2	78.1	78.1	80.0
≥ 3500		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 3000		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 2500		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 2000		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 1800		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 1500		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 1200		8.4	16.1	20.7	28.4	34.8	52.9	60.0	60.0	69.0	75.5	79.4	79.4	81.3
≥ 1000		8.4	16.1	20.7	28.4	35.5	53.6	60.7	60.7	69.7	76.1	80.0	80.0	81.9
≥ 900		8.4	16.1	20.7	28.4	36.1	54.2	61.3	61.3	70.3	76.8	80.7	80.7	82.6
≥ 800		8.4	16.1	20.7	28.4	36.1	54.2	61.3	61.3	70.3	76.8	80.7	80.7	82.6
≥ 700		8.4	16.1	20.7	29.0	36.8	54.8	61.9	61.9	71.0	77.4	81.3	81.3	83.2
≥ 600		8.4	16.1	20.7	29.0	36.8	54.8	61.9	61.9	71.0	77.4	81.3	81.3	83.2
≥ 500		8.4	16.1	20.7	29.0	37.4	56.1	63.2	63.2	72.9	80.0	84.5	84.5	86.5
≥ 400		8.4	16.1	20.7	30.3	36.7	57.4	64.5	64.5	74.2	81.9	87.1	87.1	89.0
≥ 300		8.4	16.1	20.7	30.3	38.7	58.1	65.2	65.2	75.5	83.2	89.7	89.7	91.6
≥ 200		8.4	16.1	20.7	30.3	38.7	58.7	65.8	65.8	76.1	83.9	90.3	90.3	94.2
≥ 100		8.4	16.1	20.7	30.3	38.7	58.7	65.8	65.8	76.1	83.9	90.3	90.3	94.8
0		8.4	16.1	20.7	30.3	38.7	58.7	65.8	65.8	76.1	83.9	90.3	90.3	95.5

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000	32.9	42.6	49.7	61.3	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	34.2	44.5	52.9	65.8	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	34.2	44.5	52.9	65.8	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	34.8	45.2	53.6	66.5	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	34.8	45.2	53.6	67.1	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	36.1	47.7	56.1	70.3	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	38.1	50.3	59.4	74.2	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	38.1	50.3	59.4	74.2	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	38.1	52.3	61.3	76.8	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	38.7	52.9	61.9	78.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	39.4	53.6	62.6	78.7	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	39.4	53.6	62.6	78.7	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1600	39.4	54.2	63.2	79.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1400	60.0	56.8	64.5	81.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	41.3	58.1	67.7	85.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	42.6	59.4	69.0	86.5	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	42.6	60.0	69.7	87.7	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	42.6	60.0	70.3	88.4	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	42.6	60.0	70.3	89.0	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	42.6	60.0	71.0	91.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	42.6	60.0	71.0	91.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	42.6	60.0	71.0	92.3	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	42.6	60.0	71.0	92.3	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	42.6	60.0	71.0	92.3	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	42.6	60.0	71.0	92.3	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	42.6	60.0	71.0	92.3	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

12  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING		36.1	43.9	52.3	56.8	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000		43.2	51.0	59.4	63.9	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000		43.2	51.0	59.4	63.9	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000		43.2	51.0	59.4	63.9	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000		43.2	51.0	59.4	63.9	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000		45.2	54.2	63.9	69.0	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		45.8	54.8	64.5	71.0	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		46.5	55.5	65.2	71.6	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		47.1	56.1	67.1	74.2	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000		47.1	56.1	67.1	74.2	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	.7	47.1	56.1	67.1	74.2	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	.7	47.7	56.8	67.7	74.8	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	.7	47.7	56.8	68.4	75.5	76.8	77.4	77.4	77.4	77.4	77.4
≥ 4000	.7	49.0	58.7	71.0	78.1	79.4	80.0	80.0	80.0	80.0	80.0
≥ 3500	.7	53.6	63.9	78.7	85.8	87.1	87.7	87.7	87.7	87.7	87.7
≥ 3000	.7	59.4	70.3	85.2	92.3	93.6	94.2	94.2	94.2	94.2	94.2
≥ 2500	.7	61.9	72.9	87.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 2000	.7	61.9	72.9	87.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1800	.7	61.9	72.9	87.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1500	.7	61.9	72.9	87.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1200	.7	63.2	74.2	89.0	96.8	98.1	98.7	98.7	98.7	98.7	98.7
≥ 1000	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 900	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 800	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 700	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 600	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 500	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 400	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 300	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 0	.7	63.2	75.5	90.3	98.1	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

15  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000		32.3	40.0	50.3	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		42.6	50.3	61.3	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		42.6	50.3	61.3	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		42.6	50.3	61.3	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000		47.1	56.8	68.4	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000		50.3	61.3	72.9	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000		50.3	61.9	73.6	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000		50.3	61.9	73.6	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000		51.6	63.2	74.8	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		51.6	63.2	74.8	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		51.6	63.2	74.8	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		51.6	63.2	74.8	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		52.3	65.2	76.8	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500		57.4	70.3	81.9	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		58.1	71.6	86.5	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500		58.7	72.3	87.1	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1600		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1400		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0		59.4	73.6	88.4	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18  
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		29.0	38.1	47.7	52.3	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		41.9	54.2	65.8	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
18000		41.9	54.2	65.8	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000		41.9	54.2	65.8	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
14000		42.6	54.8	66.3	71.0	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000		43.9	56.8	70.3	75.5	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
10000		48.4	61.9	75.5	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000		49.0	62.6	76.1	81.3	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5
8000		49.7	63.9	77.4	82.6	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000		50.3	64.5	78.1	83.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
6000		50.3	64.5	78.1	83.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000		51.0	65.2	78.7	83.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
4500		51.0	65.2	78.7	83.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		51.0	65.2	78.7	83.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
3500		51.6	65.8	79.4	85.2	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000		52.9	67.1	80.7	87.7	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9
2500		52.9	67.1	80.7	87.7	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000		54.2	68.4	83.2	90.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8
1800		54.2	68.4	83.2	90.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		54.2	68.4	83.2	91.0	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
1200		54.2	68.4	83.2	91.0	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		54.2	68.4	83.2	91.0	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
900		54.2	69.0	83.9	91.6	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		54.2	69.0	83.9	91.6	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1
700		54.2	69.0	83.9	91.6	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		54.2	69.0	83.9	91.6	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1
500		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
300		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
100		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7
0		54.2	69.0	83.9	91.6	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7	34.8	44.5	55.5	63.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	7	42.6	53.6	67.1	75.5	76.8	78.7	78.7	78.7	79.4	79.4	79.4
≥ 18000	7	42.6	53.6	67.1	75.5	76.8	78.7	78.7	78.7	79.4	79.4	79.4
≥ 16000	7	42.6	53.6	67.1	75.5	76.8	78.7	78.7	78.7	79.4	79.4	79.4
≥ 14000	7	43.2	54.2	67.7	76.1	77.4	79.4	79.4	79.4	80.0	80.0	80.0
≥ 12000	7	44.5	56.1	69.7	78.7	80.0	81.9	81.9	81.9	82.6	82.6	83.2
≥ 10000	7	47.1	59.4	74.2	84.5	85.8	87.7	87.7	87.7	88.4	88.4	89.0
≥ 9000	7	47.1	59.4	74.2	84.5	85.8	87.7	87.7	87.7	88.4	88.4	89.0
≥ 8000	7	48.4	60.7	75.5	85.8	87.1	89.0	89.0	89.0	89.7	89.7	90.3
≥ 7000	7	48.4	60.7	76.1	86.5	87.7	89.7	89.7	89.7	90.3	90.3	91.0
≥ 6000	7	49.7	61.9	77.4	87.7	89.0	91.0	91.0	91.0	91.6	91.6	92.3
≥ 5000	7	49.7	61.9	77.4	87.7	89.0	91.0	91.0	91.0	91.6	91.6	92.3
≥ 4500	7	50.3	62.6	79.4	89.7	91.0	92.9	92.9	92.9	93.6	93.6	94.2
≥ 4000	7	50.3	62.6	79.4	89.7	91.0	92.9	92.9	92.9	93.6	93.6	94.2
≥ 3500	7	50.3	62.6	79.4	89.7	91.0	92.9	92.9	92.9	93.6	93.6	94.2
≥ 3000	7	52.3	64.5	81.3	91.6	92.9	94.8	94.8	94.8	95.5	95.5	96.1
≥ 2500	7	52.3	64.5	81.3	91.6	92.9	94.8	94.8	94.8	95.5	95.5	96.1
≥ 2000	7	52.9	65.2	82.6	92.9	94.2	96.1	96.1	96.1	96.8	96.8	97.4
≥ 1800	7	52.9	65.2	82.6	92.9	94.2	96.1	96.1	96.1	96.8	96.8	97.4
≥ 1500	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 1200	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 1000	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 900	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 800	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 700	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 600	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 500	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 400	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 300	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 200	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
≥ 100	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1
0	7	52.9	65.2	82.6	92.9	94.2	96.8	96.8	96.8	97.4	97.4	98.1

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	.2	29.0	38.4	47.4	54.4	56.4	60.0	61.1	61.2	62.9	64.1	64.1	64.8
≥ 20000	.2	34.7	45.0	55.1	62.4	64.4	68.2	69.3	69.4	71.1	72.3	72.3	73.2
≥ 18000	.2	34.7	45.0	55.1	62.4	64.4	68.2	69.3	69.4	71.1	72.3	72.3	73.2
≥ 16000	.2	34.8	45.1	55.2	62.5	64.5	68.2	69.4	69.4	71.2	72.4	72.4	73.2
≥ 14000	.2	35.0	45.3	55.4	62.8	64.8	68.6	69.7	69.8	71.5	72.7	72.7	73.6
≥ 12000	.2	36.5	47.7	58.6	66.3	68.5	72.3	73.5	73.6	75.5	76.7	77.5	77.5
≥ 10000	.2	38.5	50.6	61.7	70.1	72.3	76.2	77.3	77.4	79.4	80.6	81.5	81.5
≥ 9000	.2	38.7	50.9	62.1	70.8	73.0	77.1	78.3	78.4	80.3	81.5	82.4	82.4
≥ 8000	.2	39.0	51.6	63.2	72.0	74.3	78.5	79.7	79.8	81.7	82.9	83.8	84.1
≥ 7000	.2	39.4	51.9	63.6	72.5	74.8	79.0	80.2	80.3	82.3	83.5	84.4	84.4
≥ 6000	.2	39.4	52.0	63.7	72.7	75.2	79.4	80.6	80.7	82.6	83.8	84.7	85.0
≥ 5000	.2	39.8	52.3	64.1	73.2	75.7	80.0	81.2	81.3	83.2	84.4	85.3	85.3
≥ 4500	.2	39.8	52.3	64.1	73.2	75.7	80.0	81.2	81.3	83.2	84.4	85.3	85.3
≥ 4000	.2	39.9	52.7	64.8	74.0	76.5	80.9	82.1	82.2	84.1	85.3	86.2	86.2
≥ 3500	.2	40.8	53.7	65.9	75.1	77.5	82.0	83.3	83.4	85.3	86.5	87.4	87.4
≥ 3000	.2	41.9	55.1	68.2	77.6	80.2	84.8	86.1	86.1	88.1	89.3	90.2	90.2
≥ 2500	.2	42.9	56.1	69.3	78.7	81.5	86.1	87.3	87.4	89.4	90.6	91.5	91.5
≥ 2000	.2	43.6	56.9	70.2	79.8	82.5	87.3	88.6	88.7	90.7	91.9	92.8	92.8
≥ 1800	.2	43.6	56.9	70.2	79.8	82.5	87.3	88.6	88.7	90.7	91.9	92.8	92.8
≥ 1500	.2	43.7	57.1	70.4	80.0	82.7	87.7	89.0	89.0	91.0	92.2	93.2	93.2
≥ 1200	.2	44.0	57.3	70.7	80.4	83.2	88.1	89.4	89.4	91.4	92.6	93.6	93.6
≥ 1000	.2	44.2	58.2	71.5	81.4	84.2	89.1	90.4	90.5	92.4	93.6	94.6	94.6
≥ 900	.2	44.4	58.4	71.8	81.6	84.6	89.5	90.8	90.9	92.8	94.0	95.0	95.0
≥ 800	.2	44.4	58.5	71.9	81.9	84.8	89.8	91.1	91.2	93.2	94.4	95.3	95.3
≥ 700	.2	44.4	58.5	72.0	82.1	85.1	90.0	91.4	91.5	93.5	94.7	95.7	95.7
≥ 600	.2	44.4	58.5	72.1	82.3	85.2	90.2	91.5	91.6	93.7	94.9	95.9	95.9
≥ 500	.2	44.4	58.5	72.2	82.6	85.7	91.0	92.3	92.4	94.5	95.8	96.9	96.9
≥ 400	.2	44.4	58.5	72.2	82.7	85.9	91.2	92.6	92.7	94.8	96.1	97.3	97.3
≥ 300	.2	44.4	58.5	72.2	82.9	86.1	91.5	92.9	93.0	95.2	96.6	97.9	97.9
≥ 200	.2	44.4	58.5	72.2	82.9	86.1	91.6	93.0	93.1	95.4	96.8	98.2	98.2
≥ 100	.2	44.4	58.5	72.2	82.9	86.1	91.8	93.2	93.2	95.6	96.9	98.3	98.3
0	.2	44.4	58.5	72.2	82.9	86.1	91.8	93.2	93.2	95.6	96.9	98.3	98.3

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

SEP

MONTH

00

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	2.0	38.0	44.0	51.3	62.7	64.0	65.3	66.0	67.3	67.3	67.3	67.3
≥ 20000	2.0	38.0	45.3	52.7	64.7	66.0	67.3	68.0	68.0	69.3	69.3	69.3
≥ 18000	2.0	38.0	45.3	52.7	64.7	66.0	67.3	68.0	68.0	69.3	69.3	69.3
≥ 16000	2.0	38.0	45.3	52.7	64.7	66.0	67.3	68.0	68.0	69.3	69.3	69.3
≥ 14000	2.0	38.0	45.3	52.7	64.7	66.0	67.3	68.0	68.0	69.3	69.3	69.3
≥ 12000	2.0	40.0	48.0	55.3	68.0	69.3	70.7	71.3	72.7	72.7	72.7	72.7
≥ 10000	2.0	42.0	50.7	58.0	71.3	72.7	74.0	74.7	74.7	76.7	76.7	76.7
≥ 9000	2.0	42.0	51.3	58.7	72.0	73.3	74.7	75.3	75.3	77.3	77.3	77.3
≥ 8000	2.0	43.3	52.7	60.7	74.7	76.0	78.0	78.7	79.3	80.7	80.7	80.7
≥ 7000	2.0	43.3	52.7	60.7	74.7	76.0	78.0	79.3	79.3	81.3	81.3	81.3
≥ 6000	2.0	43.3	52.7	60.7	74.7	76.0	78.0	79.3	79.3	81.3	81.3	81.3
≥ 5000	2.0	44.0	53.3	62.0	76.0	77.3	80.0	80.7	80.7	82.7	82.7	82.7
≥ 4500	2.0	44.0	53.3	62.0	76.0	77.3	80.0	80.7	80.7	82.7	82.7	82.7
≥ 4000	2.0	45.3	54.7	63.3	77.3	78.7	81.3	82.0	82.0	84.0	84.0	84.0
≥ 3500	2.0	45.3	54.7	63.3	77.3	78.7	81.3	82.0	82.0	84.0	84.0	84.0
≥ 3000	2.0	46.7	56.7	65.3	79.3	80.7	83.3	84.0	84.0	86.0	86.0	86.0
≥ 2500	2.0	47.3	57.3	66.0	80.0	81.3	84.0	84.7	84.7	86.7	86.7	86.7
≥ 2000	2.0	48.7	58.7	67.3	81.3	82.7	85.3	86.0	86.0	88.0	88.0	88.0
≥ 1800	2.0	48.7	58.7	68.0	82.0	83.3	86.0	86.7	86.7	88.7	88.7	88.7
≥ 1500	2.0	50.0	60.0	69.3	83.3	84.7	87.3	88.0	88.0	90.0	90.0	90.0
≥ 1200	2.0	50.0	60.0	69.3	83.3	84.7	87.3	88.0	88.0	90.0	90.0	90.0
≥ 1000	2.0	50.0	60.7	71.3	86.0	87.3	90.0	91.3	91.3	93.3	93.3	93.3
≥ 900	2.0	50.0	60.7	71.3	86.0	87.3	90.0	91.3	91.3	93.3	93.3	93.3
≥ 800	2.0	50.0	60.7	71.3	86.0	87.3	90.0	91.3	91.3	93.3	93.3	93.3
≥ 700	2.0	50.0	60.7	71.3	86.0	87.3	90.0	92.0	92.0	94.0	94.0	94.0
≥ 600	2.0	50.0	60.7	72.0	87.3	88.7	92.0	94.0	94.0	96.0	96.0	96.0
≥ 500	2.0	50.0	61.3	72.7	88.7	90.0	94.0	96.0	96.0	98.0	98.0	98.0
≥ 400	2.0	50.0	61.3	73.3	89.3	90.7	95.3	97.3	97.3	99.3	99.3	99.3
≥ 300	2.0	50.0	61.3	73.3	89.3	90.7	95.3	97.3	97.3	99.3	99.3	99.3
≥ 200	2.0	50.0	61.3	73.3	89.3	90.7	96.0	98.0	98.0	100.0	100.0	100.0
≥ 100	2.0	50.0	61.3	73.3	89.3	90.7	96.0	98.0	98.0	100.0	100.0	100.0
0	2.0	50.0	61.3	73.3	89.3	90.7	96.0	98.0	98.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

03  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	7	23.3	32.7	40.0	48.7	50.0	54.7	56.7	57.3	60.0	60.0	60.0
≥ 20000	7	23.3	32.7	40.0	48.7	50.0	55.3	58.7	59.3	62.0	62.0	62.0
18000	7	23.3	32.7	40.0	48.7	50.0	55.3	58.7	59.3	62.0	62.0	62.0
≥ 16000	7	23.3	32.7	40.0	48.7	50.0	55.3	58.7	59.3	62.0	62.0	62.0
14000	7	24.7	34.0	41.3	50.0	51.3	56.7	60.0	60.7	63.3	63.3	63.3
≥ 12000	7	24.7	34.7	42.0	51.3	52.7	58.7	62.0	62.7	65.3	65.3	65.3
10000	7	24.7	36.0	43.3	52.7	54.7	60.7	64.0	64.7	67.3	67.3	68.0
≥ 9000	7	24.7	36.0	43.3	52.7	54.7	60.7	64.0	64.7	67.3	67.3	68.0
8000	7	26.0	38.0	45.3	55.3	57.3	63.3	67.3	68.0	70.7	71.3	71.3
≥ 7000	7	26.0	38.0	45.3	55.3	57.3	63.3	67.3	68.0	70.7	71.3	71.3
6000	7	26.0	38.0	45.3	55.3	58.0	64.0	68.7	69.3	72.0	72.0	72.0
≥ 5000	7	26.0	38.0	45.3	55.3	58.0	64.0	68.7	69.3	72.0	72.0	72.0
4500	7	26.7	38.7	46.0	56.0	58.7	64.7	69.3	70.0	72.7	73.3	73.3
≥ 4000	7	26.7	38.7	46.0	56.0	58.7	64.7	69.3	70.0	72.7	73.3	73.3
3500	7	26.7	38.7	46.7	56.7	59.3	65.3	70.0	70.7	73.3	74.0	74.0
≥ 3000	7	27.3	40.0	48.7	58.7	61.3	67.3	72.0	72.7	75.3	76.0	76.0
2500	7	28.0	40.7	49.3	59.3	62.0	68.7	73.3	74.0	76.7	77.3	77.3
≥ 2000	7	28.7	41.3	50.0	60.0	62.7	69.3	74.0	74.7	77.3	78.0	78.0
1800	7	28.7	41.3	50.0	60.0	62.7	69.3	74.0	74.7	77.3	78.0	78.0
≥ 1500	7	29.3	42.0	50.7	60.7	63.3	70.0	74.7	75.3	78.0	78.7	78.7
1200	7	29.3	42.0	50.7	60.7	63.3	70.0	74.7	75.3	78.0	78.7	78.7
≥ 1000	7	30.7	43.3	54.7	65.3	68.0	74.7	79.3	80.0	82.7	83.3	83.3
900	7	30.7	43.3	54.7	65.3	68.0	74.7	79.3	80.0	82.7	83.3	83.3
800	7	31.3	44.7	56.0	67.3	70.0	76.7	82.0	82.7	85.3	86.0	86.0
700	7	32.0	45.3	56.7	68.0	70.7	77.3	83.3	84.0	86.7	87.3	87.3
≥ 600	7	32.0	45.3	56.7	68.0	70.7	77.3	83.3	84.0	86.7	87.3	87.3
500	7	32.7	46.0	58.0	70.7	73.3	82.7	88.7	89.3	92.7	93.3	93.3
≥ 400	7	32.7	46.0	58.7	71.3	74.0	83.3	89.3	90.0	93.3	94.0	94.7
300	7	32.7	46.0	58.7	71.3	74.0	84.0	90.7	91.3	94.7	95.3	96.0
≥ 200	7	32.7	46.0	58.7	71.3	74.0	84.7	91.3	92.0	95.3	96.0	96.7
100	7	32.7	46.0	58.7	72.0	74.7	85.3	92.0	92.7	96.0	96.7	97.3
0	7	32.7	46.0	58.7	72.0	74.7	85.3	92.0	92.7	96.0	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

SEP

STATION

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		7.3	9.3	11.3	13.3	17.3	25.3	29.3	30.0	36.0	39.3	39.3	42.7	43.3
≥ 20000		8.0	10.0	12.0	14.7	18.7	27.3	31.3	32.0	38.0	41.3	41.3	46.0	47.3
AI AI 18000		8.0	10.0	12.0	14.7	18.7	27.3	31.3	32.0	38.0	41.3	41.3	46.0	47.3
AI AI 16000		8.0	10.0	12.0	14.7	18.7	27.3	31.3	32.0	38.0	42.0	42.0	46.7	48.0
AI AI 14000		8.0	10.0	12.0	14.7	18.7	27.3	32.0	32.7	38.7	42.7	42.7	47.3	48.7
AI AI 12000		8.0	10.7	12.7	15.3	19.3	28.0	33.3	34.0	41.3	45.3	45.3	50.0	51.3
AI AI 10000		8.0	11.3	13.3	16.7	20.7	29.3	36.0	36.7	44.7	48.7	53.3	53.3	54.7
AI AI 9000		8.0	11.3	13.3	16.7	21.3	30.7	37.3	38.0	46.0	50.0	54.7	54.7	56.0
AI AI 8000		10.0	13.3	16.0	20.0	26.0	35.3	42.7	43.3	52.7	56.7	61.3	61.3	62.7
AI AI 7000		10.0	13.3	16.0	20.0	26.0	35.3	43.3	44.0	54.0	58.0	62.7	62.7	64.0
AI AI 6000		10.0	13.3	16.0	20.0	26.0	36.0	44.0	44.7	54.7	58.7	63.3	63.3	64.7
AI AI 4500		10.0	13.3	16.0	20.0	26.0	36.0	44.0	44.7	54.7	58.7	63.3	63.3	64.7
AI AI 4000		10.0	13.3	16.0	20.0	26.0	36.0	44.0	44.7	54.7	58.7	63.3	63.3	64.7
AI AI 3500		10.7	14.0	16.7	21.3	27.3	37.3	45.3	46.0	56.0	60.0	64.7	64.7	66.0
AI AI 3000		11.3	14.7	17.3	22.7	29.3	39.3	47.3	48.0	58.0	62.0	66.7	66.7	68.0
AI AI 2500		11.3	14.7	17.3	22.7	29.3	39.3	47.3	48.0	58.0	62.0	66.7	66.7	68.0
AI AI 2000		11.3	14.7	17.3	22.7	29.3	39.3	47.3	48.0	58.0	62.0	66.7	66.7	68.0
AI AI 1800		11.3	14.7	17.3	22.7	29.3	39.3	47.3	48.0	58.0	62.0	66.7	66.7	68.0
AI AI 1500		11.3	14.7	17.3	22.7	29.3	39.3	47.3	48.0	58.0	62.0	66.7	66.7	68.0
AI AI 1200		12.0	15.3	18.0	23.3	30.0	40.7	48.7	49.3	59.3	64.0	68.7	68.7	70.0
AI AI 1000		14.0	17.3	20.0	25.3	32.0	42.7	50.7	51.3	61.3	66.7	71.3	71.3	72.7
AI AI 900		14.0	17.3	21.3	26.7	33.3	44.0	52.7	53.3	63.3	68.7	73.3	73.3	74.7
AI AI 800		14.7	18.0	22.0	27.3	34.7	45.3	54.7	55.3	65.3	70.7	76.0	76.0	77.3
AI AI 700		14.7	18.0	22.0	27.3	34.7	45.3	54.7	55.3	65.3	70.7	76.0	76.0	77.3
AI AI 600		14.7	18.0	22.0	28.0	36.0	49.3	58.7	59.3	70.7	76.0	82.0	82.0	83.3
AI AI 500		14.7	18.0	22.7	28.7	38.0	52.7	62.7	63.3	74.7	80.7	86.7	86.7	88.0
AI AI 400		14.7	18.0	22.7	28.7	38.7	54.0	64.0	64.7	76.0	82.0	88.0	88.0	89.3
AI AI 300		14.7	18.0	22.7	28.7	39.3	54.7	65.3	66.0	80.7	87.3	94.0	94.0	95.3
AI AI 200		14.7	18.0	22.7	28.7	39.3	54.7	65.3	66.0	80.7	87.3	94.0	94.0	96.7
AI AI 100		14.7	18.0	22.7	28.7	39.3	54.7	65.3	66.0	80.7	87.3	94.0	94.0	96.7
AI AI 0		14.7	18.0	22.7	28.7	39.3	54.7	65.3	66.0	80.7	87.3	94.0	94.7	96.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1-	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.0	22.0	26.7	32.7	44.0	47.3	48.7	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	2.0	22.0	27.3	33.3	46.0	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3
AI 18000	2.0	22.0	27.3	33.3	46.0	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3
AI 16000	2.0	22.0	27.3	33.3	46.0	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3
AI 14000	2.0	22.0	27.3	33.3	46.0	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3
AI 12000	2.0	22.7	28.0	34.0	46.7	50.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0
AI 10000	2.0	23.3	30.0	37.3	51.3	56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7
AI 9000	2.0	23.3	30.7	38.0	52.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3
AI 8000	2.0	23.3	30.7	38.0	52.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3
AI 7000	2.0	24.0	31.3	38.7	52.7	58.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0
AI 6000	2.0	24.0	32.0	39.3	53.3	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7
AI 5000	2.0	24.7	32.7	40.0	54.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3
AI 4500	2.0	24.7	32.7	40.0	54.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3
AI 4000	2.0	24.7	32.7	40.0	54.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3
AI 3500	2.0	24.7	32.7	40.0	54.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3
AI 3000	2.0	26.0	34.0	41.3	56.0	61.3	62.7	63.3	63.3	63.3	64.0	64.0	64.0
AI 2500	2.0	26.0	34.7	42.0	56.7	62.0	63.3	64.0	64.0	64.0	64.7	64.7	64.7
AI 2000	2.0	26.7	36.0	44.0	58.7	64.0	65.3	66.0	66.0	66.0	66.7	66.7	66.7
AI 1800	2.0	26.7	36.0	44.7	60.0	65.3	66.7	67.3	67.3	67.3	68.0	68.0	68.0
AI 1500	2.0	28.0	38.0	46.7	62.0	68.0	69.3	70.0	70.0	70.0	70.7	70.7	70.7
AI 1200	2.0	29.3	39.3	48.0	63.3	70.0	71.3	72.0	72.0	72.0	72.7	72.7	72.7
AI 1000	2.0	30.7	41.3	52.0	67.3	74.7	76.0	76.7	76.7	76.7	77.3	77.3	77.3
AI 900	2.0	30.7	41.3	52.7	68.0	75.3	76.7	77.3	77.3	77.3	78.0	78.0	78.0
AI 800	2.0	31.3	42.7	54.7	72.0	80.0	82.0	83.3	83.3	83.3	84.0	84.0	84.0
AI 700	2.0	31.3	42.7	55.3	73.3	82.0	84.7	86.7	86.7	86.7	87.3	87.3	87.3
AI 600	2.0	31.3	42.7	55.3	74.7	85.3	88.7	90.7	90.7	90.7	91.3	91.3	91.3
AI 500	2.0	31.3	43.3	56.0	76.0	88.7	92.0	95.3	95.3	95.3	96.0	96.0	96.0
AI 400	2.0	31.3	43.3	56.7	76.7	89.3	94.0	98.0	98.0	98.0	98.7	98.7	98.7
AI 300	2.0	31.3	43.3	57.3	77.3	90.0	95.3	99.3	99.3	99.3	100.0	100.0	100.0
AI 200	2.0	31.3	43.3	57.3	77.3	90.0	95.3	99.3	99.3	99.3	100.0	100.0	100.0
AI 100	2.0	31.3	43.3	57.3	77.3	90.0	95.3	99.3	99.3	99.3	100.0	100.0	100.0
AI 0	2.0	31.3	43.3	57.3	77.3	90.0	95.3	99.3	99.3	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	2.0	26.0	30.0	34.7	40.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	2.0	30.0	37.3	42.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	2.0	30.0	37.3	42.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	2.0	30.0	37.3	42.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	2.0	30.7	38.0	43.3	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	2.0	36.7	44.0	49.3	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	2.0	38.0	45.3	50.7	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	2.7	38.7	46.0	51.3	58.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
8000	2.7	39.3	46.7	52.7	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
7000	2.7	40.0	47.3	53.3	61.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0
6000	2.7	40.0	47.3	53.3	61.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0
5000	2.7	40.7	48.0	54.0	62.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7
4500	2.7	40.7	48.0	54.0	62.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7
4000	2.7	41.3	48.7	54.7	62.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3
3500	3.3	42.7	50.0	56.7	64.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0
3000	3.3	46.7	55.3	62.0	71.3	74.0	74.0	74.7	74.7	74.7	74.7	74.7
2500	3.3	49.3	58.0	64.7	74.0	76.7	76.7	77.3	77.3	77.3	77.3	77.3
2000	3.3	56.0	66.0	72.7	82.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0
1800	3.3	56.0	66.7	73.3	83.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7
1500	3.3	58.0	68.7	76.7	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7
1200	3.3	58.0	69.3	77.3	89.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7
1000	3.3	58.0	69.3	78.7	90.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0
900	3.3	58.0	69.3	78.7	91.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7
800	3.3	58.0	69.3	78.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0
700	3.3	58.0	69.3	78.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0
600	3.3	58.7	70.7	80.7	94.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7
500	3.3	58.7	70.7	80.7	94.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7
400	3.3	58.7	70.7	80.7	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
300	3.3	58.7	70.7	80.7	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
200	3.3	58.7	70.7	80.7	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
100	3.3	58.7	70.7	80.7	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
0	3.3	58.7	70.7	80.7	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

15  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	2.0	29.3	34.7	39.3	42.7	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	2.0	35.3	42.0	49.3	52.7	54.0	54.0	54.0	54.0	54.0	54.0
AI 18000	2.0	35.3	42.0	49.3	52.7	54.0	54.0	54.0	54.0	54.0	54.0
AI 16000	2.0	35.3	42.0	49.3	52.7	54.0	54.0	54.0	54.0	54.0	54.0
AI 14000	2.0	35.3	42.0	49.3	52.7	54.0	54.0	54.0	54.0	54.0	54.0
AI 12000	2.0	40.7	48.0	55.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0
AI 10000	2.0	45.3	54.0	61.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0
AI 9000	2.0	45.3	54.0	61.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0
AI 8000	2.0	48.0	56.7	64.7	70.0	72.0	72.0	72.0	72.0	72.0	72.0
AI 7000	2.0	49.3	58.7	66.7	72.0	74.0	74.7	74.7	74.7	74.7	74.7
AI 6000	2.0	49.3	58.7	66.7	72.0	74.0	74.7	74.7	74.7	74.7	74.7
AI 5000	2.0	49.3	58.7	66.7	72.0	74.0	75.3	75.3	75.3	75.3	75.3
AI 4500	2.0	49.3	58.7	66.7	72.0	74.0	75.3	75.3	75.3	75.3	75.3
AI 4000	2.0	50.0	59.3	67.3	72.7	75.3	76.7	76.7	76.7	76.7	76.7
AI 3500	2.0	51.3	61.3	70.0	75.3	78.7	80.0	80.0	80.0	80.0	80.0
AI 3000	2.7	53.3	63.3	72.0	78.0	81.3	83.3	83.3	83.3	83.3	83.3
AI 2500	2.7	56.0	67.3	76.0	82.0	86.0	88.0	88.0	88.0	88.0	88.0
AI 2000	2.7	57.3	69.3	78.0	84.0	88.0	90.7	90.7	90.7	90.7	90.7
AI 1800	2.7	57.3	69.3	78.0	84.0	88.0	90.7	90.7	90.7	90.7	90.7
AI 1500	2.7	60.0	72.7	81.3	87.3	91.3	94.0	94.0	94.0	94.0	94.0
AI 1200	2.7	60.0	72.7	82.0	88.0	92.0	94.7	94.7	94.7	94.7	94.7
AI 1000	2.7	60.0	73.3	83.3	89.3	93.3	96.0	96.0	96.0	96.0	96.0
AI 900	2.7	60.0	73.3	83.3	89.3	93.3	96.0	96.0	96.0	96.0	96.0
AI 800	2.7	60.0	73.3	83.3	89.3	93.3	96.0	96.0	96.0	96.0	96.0
AI 700	2.7	60.0	73.3	83.3	89.3	93.3	96.0	96.0	96.0	96.0	96.0
AI 600	2.7	60.0	73.3	83.3	89.3	94.0	96.7	96.7	96.7	96.7	96.7
AI 500	2.7	60.0	73.3	83.3	89.3	94.0	96.7	96.7	96.7	96.7	96.7
AI 400	2.7	60.0	73.3	83.3	90.7	95.3	98.7	98.7	98.7	98.7	98.7
AI 300	2.7	60.0	73.3	83.3	90.7	95.3	98.7	98.7	98.7	98.7	98.7
AI 200	2.7	60.0	73.3	83.3	90.7	95.3	98.7	98.7	98.7	98.7	98.7
AI 100	2.7	60.0	73.3	83.3	90.7	95.3	98.7	98.7	98.7	98.7	98.7
AI 0	2.7	60.0	73.3	83.3	90.7	95.3	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	1.3	31.3	36.7	38.7	42.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	1.3	41.3	49.3	54.0	58.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	1.3	41.3	49.3	54.0	58.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	1.3	41.3	49.3	54.0	58.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	1.3	42.7	50.7	55.3	59.3	60.7	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	1.3	45.3	54.0	60.7	64.7	66.0	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	1.3	46.7	60.0	67.3	71.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	1.3	50.0	61.3	68.7	72.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	1.3	53.3	66.7	74.0	78.7	81.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000	1.3	54.0	68.0	75.3	80.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	1.3	54.0	68.0	75.3	80.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	2.0	55.3	69.3	76.7	81.3	84.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	2.0	55.3	69.3	76.7	81.3	84.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	2.0	55.3	69.3	76.7	81.3	84.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	2.0	56.0	70.0	77.3	82.0	85.3	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000	2.0	57.3	71.3	78.7	84.0	87.3	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	2.0	57.3	71.3	78.7	84.0	87.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	2.0	57.3	72.7	80.0	85.3	89.3	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	2.0	57.3	72.7	80.0	85.3	89.3	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	2.7	58.7	74.0	81.3	86.7	90.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	2.7	58.7	74.0	81.3	86.7	90.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	2.7	58.7	74.0	81.3	86.7	90.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	2.7	58.7	74.0	81.3	86.7	90.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	2.7	58.7	74.0	81.3	86.7	90.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	2.7	58.7	74.0	81.3	87.3	91.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	2.7	58.7	74.0	81.3	87.3	91.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	2.7	58.7	74.0	81.3	87.3	92.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	2.7	58.7	74.0	81.3	87.3	92.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	2.7	58.7	74.0	81.3	87.3	92.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	2.7	58.7	74.0	81.3	87.3	92.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	2.7	58.7	74.0	81.3	87.3	92.7	98.0	98.0	98.0	98.0	98.0	98.0
0	2.7	58.7	74.0	81.3	87.3	92.7	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2.0	36.7	50.0	54.0	58.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	2.0	38.7	54.7	59.3	64.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	2.0	38.7	54.7	59.3	64.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	2.0	38.7	54.7	59.3	64.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000	2.0	40.0	56.0	60.7	66.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	2.0	40.7	57.3	62.0	67.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	2.0	42.7	60.7	66.0	72.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000	2.0	42.7	60.7	66.0	73.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	2.0	43.3	62.0	68.0	76.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	2.0	44.0	62.7	68.7	76.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	2.0	44.0	62.7	69.3	77.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	2.0	44.0	62.7	70.0	78.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	2.0	44.7	63.3	70.7	78.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	2.0	45.3	64.0	71.3	79.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	2.0	45.3	64.7	72.0	80.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	2.0	47.3	66.7	74.0	82.0	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	2.0	48.0	67.3	74.7	82.7	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	2.0	48.0	67.3	74.7	83.3	88.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	2.0	48.0	67.3	74.7	83.3	88.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	2.0	48.0	67.3	75.3	84.0	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	2.0	48.7	68.0	76.0	84.7	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	2.0	48.7	68.0	76.0	84.7	89.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	2.0	48.7	68.0	76.0	85.3	90.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	2.0	49.3	68.7	76.7	86.0	91.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	2.0	49.3	68.7	76.7	86.7	92.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	2.0	49.3	68.7	76.7	86.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	2.0	49.3	68.7	76.7	87.3	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	2.0	49.3	68.7	76.7	87.3	93.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	2.0	49.3	68.7	76.7	87.3	93.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	2.0	49.3	68.7	76.7	87.3	94.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	2.0	49.3	68.7	76.7	87.3	94.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	2.0	49.3	68.7	76.7	87.3	94.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

130

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03966

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEAR

SEP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.5	26.8	33.0	37.8	44.0	46.2	48.2	49.1	49.3	50.5	50.9	50.9	51.3	51.4
≥ 20000	1.5	29.6	37.3	42.9	49.8	52.0	54.3	55.4	55.6	56.8	57.3	57.3	57.8	58.0
≥ 18000	1.5	29.6	37.3	42.9	49.8	52.0	54.3	55.4	55.6	56.8	57.3	57.3	57.8	58.0
≥ 16000	1.5	29.6	37.3	42.9	49.8	52.0	54.3	55.4	55.6	56.8	57.3	57.3	57.9	58.1
≥ 14000	1.5	30.3	38.0	43.6	50.4	52.7	55.0	56.2	56.3	57.6	58.1	58.1	58.7	58.8
≥ 12000	1.5	32.3	40.6	46.6	53.7	56.1	58.5	59.8	59.9	61.3	61.8	61.8	62.4	62.6
≥ 10000	1.5	34.1	43.5	49.7	57.4	60.3	62.8	64.2	64.3	65.9	66.4	66.4	67.1	67.3
≥ 9000	1.6	34.3	43.9	50.1	57.9	60.9	63.4	64.8	65.0	66.6	67.1	67.1	67.8	67.9
≥ 8000	1.6	35.8	45.8	52.4	60.8	63.9	66.5	68.1	68.3	70.0	70.5	70.5	71.2	71.3
≥ 7000	1.6	36.3	46.5	53.1	61.6	64.8	67.6	69.4	69.6	71.4	71.9	71.9	72.6	72.8
≥ 6000	1.6	36.3	46.5	53.2	61.7	64.9	67.7	69.5	69.7	71.5	72.0	72.0	72.7	72.8
≥ 5000	1.7	36.7	46.9	53.8	62.3	65.6	68.6	70.4	70.6	72.4	72.9	72.9	73.6	73.8
≥ 4500	1.7	36.8	47.1	53.9	62.4	65.8	68.8	70.6	70.8	72.6	73.1	73.1	73.8	73.9
≥ 4000	1.7	37.3	47.6	54.4	62.9	66.4	69.4	71.3	71.4	73.3	73.8	73.8	74.4	74.6
≥ 3500	1.8	37.8	48.2	55.3	63.8	67.4	70.6	72.4	72.6	74.4	74.9	74.9	75.6	75.8
≥ 3000	1.8	39.4	50.2	57.3	66.3	70.0	73.3	75.2	75.3	77.2	77.6	77.6	78.4	78.6
≥ 2500	1.8	40.4	51.4	58.6	67.7	71.5	75.1	76.9	77.1	78.9	79.5	79.5	80.2	80.4
≥ 2000	1.8	41.8	53.3	60.5	69.8	73.7	77.3	79.2	79.3	81.2	81.8	81.8	82.4	82.7
≥ 1800	1.8	41.8	53.3	60.8	70.1	74.0	77.7	79.5	79.7	81.5	82.1	82.1	82.8	83.0
≥ 1500	1.9	42.9	54.7	62.3	71.8	75.8	79.5	81.3	81.5	83.3	84.0	84.0	84.7	84.9
≥ 1200	1.9	43.3	55.1	62.8	72.4	76.5	80.3	82.2	82.3	84.2	84.8	84.8	85.5	85.8
≥ 1000	1.9	43.8	55.9	64.7	74.4	78.6	82.7	84.6	84.8	86.6	87.2	87.3	88.0	88.3
≥ 900	1.9	43.8	55.9	64.9	74.4	78.6	82.7	84.6	84.8	86.6	87.2	87.3	88.0	88.3
≥ 800	1.9	44.2	56.4	65.5	75.8	80.3	84.4	86.8	86.9	88.8	89.5	89.5	90.3	90.5
≥ 700	1.9	44.3	56.5	65.7	76.3	80.8	85.0	87.6	87.8	89.6	90.3	90.3	91.1	91.3
≥ 600	1.9	44.3	56.7	66.1	77.3	82.3	87.1	89.7	89.8	92.0	92.8	92.8	93.6	93.8
≥ 500	1.9	44.4	56.9	66.4	77.8	83.3	88.7	91.5	91.7	93.8	94.7	94.7	95.5	95.8
≥ 400	1.9	44.4	56.9	66.7	78.3	83.9	89.8	92.8	92.9	95.3	96.2	96.2	97.0	97.3
≥ 300	1.9	44.4	56.9	66.8	78.4	84.2	90.3	93.5	93.7	96.6	97.6	97.6	98.5	98.8
≥ 200	1.9	44.4	56.9	66.8	78.4	84.3	90.6	93.8	93.9	96.8	97.8	97.8	98.8	99.2
≥ 100	1.9	44.4	56.9	66.8	78.5	84.3	90.7	93.8	94.0	96.9	97.9	97.9	98.9	99.6
0	1.9	44.4	56.9	66.8	78.5	84.3	90.7	93.8	94.0	96.9	97.9	97.9	98.9	99.6

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	49.0	55.5	63.9	67.7	67.7	69.0	69.7	69.7	69.7	69.7	69.7	71.6	71.6
≥ 20000	1.3	49.7	57.4	66.5	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	76.1	76.1
≥ 18000	1.3	49.7	57.4	66.5	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	76.1	76.1
≥ 16000	1.3	49.7	57.4	66.5	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	76.1	76.1
≥ 14000	1.3	49.7	57.4	66.5	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	76.1	76.1
≥ 12000	1.3	50.3	58.1	67.7	73.6	74.2	75.5	76.1	76.1	76.1	76.1	76.1	78.1	78.1
≥ 10000	1.3	53.6	61.3	71.0	77.4	78.1	79.4	80.0	80.0	80.0	80.0	80.0	81.9	81.9
≥ 9000	1.3	53.6	61.3	71.0	77.4	78.1	79.4	80.0	80.0	80.0	80.0	80.0	81.9	81.9
≥ 8000	1.3	54.8	62.6	72.3	78.7	79.4	80.7	81.3	81.3	81.3	81.3	81.3	83.2	83.2
≥ 7000	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 6000	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 5000	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 4500	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 4000	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 3500	1.3	55.5	63.2	72.9	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	84.5	84.5
≥ 3000	1.3	55.5	63.2	73.6	81.9	82.6	84.5	85.2	85.2	85.2	85.2	85.2	87.1	87.1
≥ 2500	1.9	56.8	64.5	74.8	83.2	83.9	85.8	86.5	86.5	86.5	86.5	86.5	88.4	88.4
≥ 2000	1.9	57.4	65.2	75.5	84.5	85.2	87.7	88.4	88.4	88.4	88.4	88.4	90.3	90.3
≥ 1800	1.9	57.4	65.2	75.5	84.5	85.2	87.7	88.4	88.4	88.4	88.4	88.4	90.3	90.3
≥ 1500	1.9	57.4	65.8	76.1	85.8	86.5	89.0	89.7	89.7	89.7	89.7	89.7	91.6	91.6
≥ 1200	1.9	57.4	66.5	76.8	86.5	87.7	90.3	91.0	91.0	91.0	91.0	91.0	92.9	92.9
≥ 1000	1.9	58.1	67.1	78.1	88.4	89.7	92.3	92.9	92.9	92.9	92.9	92.9	94.8	94.8
≥ 900	1.9	58.1	67.1	78.1	88.4	90.3	92.9	93.6	93.6	93.6	93.6	93.6	95.5	95.5
≥ 800	1.9	58.1	67.1	78.1	88.4	90.3	92.9	93.6	93.6	93.6	93.6	93.6	95.5	95.5
≥ 700	1.9	58.1	67.1	78.1	89.0	91.0	93.6	94.8	94.8	94.8	94.8	94.8	96.8	96.8
≥ 600	1.9	58.1	67.1	78.1	89.0	91.0	93.6	94.8	94.8	94.8	94.8	94.8	96.8	96.8
≥ 500	1.9	58.1	67.1	78.1	89.0	91.0	93.6	94.8	94.8	94.8	94.8	94.8	96.8	96.8
≥ 400	1.9	58.1	67.1	78.7	90.3	92.3	94.8	96.1	96.1	96.1	96.1	96.1	98.1	98.1
≥ 300	1.9	58.1	67.1	78.7	90.3	92.3	94.8	96.1	96.1	96.1	96.1	96.1	98.1	98.1
≥ 200	1.9	58.1	67.1	78.7	90.3	92.3	94.8	96.1	96.1	96.1	96.1	96.1	98.7	98.7
≥ 100	1.9	58.1	67.1	78.7	90.3	92.3	94.8	96.1	96.1	96.1	96.1	96.1	98.7	98.7
0	1.9	58.1	67.1	78.7	90.3	92.3	94.8	96.1	96.1	96.1	96.1	96.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

03  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000	40.0	49.7	58.1	64.5	65.2	65.6	66.5	66.5	66.5	69.0	69.0	69.0	69.7	70.3
≥ 18000	40.7	50.3	58.7	65.2	65.6	66.5	67.1	67.1	67.1	69.7	69.7	69.7	70.3	71.0
≥ 16000	40.7	50.3	58.7	65.2	65.6	66.5	67.1	67.1	67.1	69.7	69.7	69.7	70.3	71.0
≥ 14000	40.7	50.3	58.7	65.2	65.6	66.5	67.1	67.1	67.1	69.7	69.7	69.7	70.3	71.0
≥ 12000	41.3	51.0	59.4	65.8	66.5	67.1	67.7	67.7	67.7	70.3	70.3	70.3	71.0	71.6
10000	45.8	56.1	64.5	72.3	72.9	73.6	74.2	74.2	74.2	76.8	76.8	77.4	78.1	79.4
9000	46.5	56.8	65.2	72.9	73.6	74.2	74.8	74.8	74.8	77.4	77.4	78.1	78.7	80.0
8000	47.7	58.7	67.7	75.5	76.1	76.8	77.4	77.4	77.4	80.0	80.0	80.7	81.3	82.6
7000	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
6000	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
5000	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
4500	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
4000	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
3500	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
3000	49.0	60.7	69.7	77.4	78.1	78.7	79.4	79.4	79.4	81.9	81.9	82.6	83.2	84.5
2500	49.7	61.3	70.3	78.7	79.4	80.0	80.7	80.7	80.7	83.2	83.2	83.9	84.5	85.8
2000	49.7	61.3	70.3	78.7	79.4	80.0	80.7	80.7	80.7	83.2	83.2	83.9	84.5	85.8
1800	50.3	61.9	71.0	79.4	80.0	80.7	81.3	81.3	81.3	83.9	83.9	84.5	85.2	86.5
1500	51.0	62.6	71.6	80.0	81.3	81.9	82.6	82.6	82.6	85.2	85.2	85.8	86.5	87.7
1200	51.6	63.9	72.9	81.3	82.6	83.9	84.5	84.5	84.5	87.1	87.1	87.7	88.4	89.7
1000	52.3	65.2	74.2	82.6	83.9	85.8	86.5	86.5	86.5	89.0	89.0	89.7	90.3	91.6
900	52.3	65.2	74.2	82.6	83.9	85.8	86.5	86.5	86.5	89.0	89.0	89.7	90.3	91.6
800	52.3	65.2	74.2	82.6	83.2	84.5	87.1	87.1	87.1	89.7	89.7	90.3	91.0	92.3
700	52.3	65.8	75.5	83.9	85.2	87.7	89.0	89.0	89.0	91.6	91.6	92.3	92.9	94.2
600	52.3	65.8	75.5	84.5	85.8	88.4	89.7	89.7	89.7	92.3	92.3	92.9	93.6	95.5
500	52.9	66.5	76.1	85.2	86.5	89.7	91.0	91.0	91.0	93.6	93.6	94.2	94.8	96.8
400	52.9	66.5	76.1	85.2	86.5	89.7	91.0	91.0	91.0	93.6	93.6	94.2	94.8	96.8
300	52.9	66.5	76.1	85.2	86.5	90.3	91.6	91.6	91.6	94.8	94.8	95.5	96.1	98.1
200	52.9	66.5	76.1	85.2	86.5	90.3	91.6	91.6	91.6	94.8	94.8	95.5	96.1	98.1
100	52.9	66.5	76.1	85.8	87.1	91.0	92.3	92.3	92.3	95.5	95.5	96.1	96.8	98.4
0	52.9	66.5	76.1	85.8	87.1	91.0	92.3	92.3	92.3	95.5	95.5	96.1	96.8	98.4

TOTAL NUMBER OF OBSERVATIONS 155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

06

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000		23.2	27.7	30.3	38.7	43.2	54.8	57.4	57.4	58.7	60.7	63.9	65.2
≥ 18000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 16000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 14000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 12000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 10000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 9000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 8000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 7000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 6000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 5000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 4500		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 4000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 3500		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 3000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 2500		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 2000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 1800		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 1500		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 1200		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 1000		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 900		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 800		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 700		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 600		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 500		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 400		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 300		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 200		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
≥ 100		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7
0		23.2	29.0	31.6	40.0	44.5	56.1	59.4	59.4	60.7	62.6	66.5	67.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

007  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

09  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	36.8	45.8	51.6	59.4	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	7	37.4	46.5	52.3	61.9	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	7	38.1	47.1	52.9	62.6	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	7	38.7	47.7	53.6	63.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	7	38.7	47.7	53.6	63.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	7	38.7	47.7	53.6	63.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	7	39.4	49.0	54.8	64.5	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	7	40.0	49.7	55.5	65.2	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
8000	7	40.0	50.3	56.8	67.1	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
7000	7	40.7	51.0	57.4	68.4	71.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
6000	7	40.7	51.0	58.1	69.0	72.3	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
5000	7	40.7	51.6	58.7	70.3	73.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4500	7	40.7	51.6	58.7	70.3	73.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4000	7	40.7	51.6	58.7	71.0	74.2	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1
3500	7	40.7	51.6	58.7	71.0	74.2	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1
3000	7	40.7	52.3	60.7	72.9	76.1	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0
2500	7	41.3	53.6	62.6	74.8	78.1	80.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9
2000	7	41.3	53.6	63.2	75.5	78.7	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6
1800	7	41.9	54.2	63.9	76.1	79.4	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.2
1500	7	42.6	54.8	64.5	76.8	80.0	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9
1200	7	42.6	54.8	64.5	76.8	80.0	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9
1000	7	42.6	55.5	65.2	77.4	81.3	84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8
900	7	42.6	55.5	65.2	77.4	81.9	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5
800	7	43.9	56.8	66.5	79.4	83.9	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4
700	7	43.9	56.8	66.5	79.4	84.5	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0
600	7	43.9	56.8	66.5	79.4	84.5	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3
500	7	44.5	57.4	67.1	80.0	86.5	91.0	92.3	92.3	93.6	93.6	93.6	93.6	93.6
400	7	44.5	57.4	67.1	80.0	86.5	91.6	92.9	92.9	94.8	94.8	94.8	94.8	94.8
300	7	44.5	57.4	67.1	80.0	86.5	91.6	94.2	94.2	96.1	96.1	96.1	96.1	96.1
200	7	44.5	57.4	67.1	80.0	86.5	91.6	94.2	94.2	96.8	96.8	96.8	96.8	96.8
100	7	44.5	57.4	67.1	80.0	86.5	91.6	94.2	94.2	96.8	96.8	96.8	96.8	96.8
0	7	44.5	57.4	67.1	80.0	86.5	91.6	94.2	94.2	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

12  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	1.3	54.2	62.6	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	1.3	56.1	65.8	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000	1.3	56.1	65.8	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000	1.3	56.1	65.8	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	1.3	56.8	66.5	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	1.3	58.1	67.7	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	1.3	58.1	67.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	1.3	58.1	67.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	1.3	58.7	68.4	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	1.3	60.0	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	1.3	60.0	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	1.3	60.0	71.0	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	1.3	60.0	71.0	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	1.3	60.7	71.6	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	1.3	61.9	72.9	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	1.3	63.9	74.8	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	1.3	65.2	76.1	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	1.3	66.5	77.4	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	1.9	67.1	78.1	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	1.9	70.3	81.3	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	1.9	70.3	81.9	89.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	1.9	70.3	81.9	89.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	1.9	70.3	81.9	89.7	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	1.9	70.3	81.9	89.7	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	1.9	70.3	81.9	89.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	1.9	70.3	81.9	89.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	1.9	71.6	83.2	91.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

UCT  
MONTH

15

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	1.3	54.8	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	1.3	58.7	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	1.3	58.7	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	1.3	58.7	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	1.3	58.7	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	1.3	60.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	1.3	61.9	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	1.3	61.9	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
8000	1.3	65.2	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
7000	1.3	65.8	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6000	1.3	65.8	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
5000	1.3	66.5	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	1.3	67.1	78.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4000	1.3	68.4	80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
3500	1.3	70.3	81.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000	1.3	71.6	83.2	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
2500	1.3	72.3	83.9	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
2000	1.9	74.2	85.8	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
1800	1.9	74.2	85.8	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
1500	1.9	74.8	87.1	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9
1200	1.9	75.5	87.7	92.3	93.6	94.2	94.8	94.8	94.8	94.8	94.8
1000	1.9	76.1	88.4	92.9	94.8	95.5	96.1	96.1	96.1	96.1	96.1
900	1.9	76.1	88.4	93.6	95.5	96.1	96.8	96.8	96.8	96.8	96.8
800	1.9	76.1	89.0	94.2	96.8	97.4	98.1	98.1	98.1	98.1	98.1
700	1.9	76.1	89.0	94.2	96.8	97.4	98.1	98.1	98.1	98.1	98.1
600	1.9	76.1	89.0	94.2	96.8	97.4	98.1	98.1	98.1	98.1	98.1
500	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7
400	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7
300	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7
200	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7
100	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7
0	1.9	76.1	89.0	94.2	97.4	98.1	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18  
HOURS (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.3	56.1	61.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	1.3	61.3	68.4	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	1.3	61.3	68.4	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	1.3	61.3	68.4	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	1.3	61.3	68.4	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	1.3	63.2	71.0	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	1.3	63.9	71.6	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	1.3	64.5	72.3	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	1.3	66.5	74.2	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	1.3	67.7	75.5	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	1.3	68.4	76.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	1.3	69.0	76.8	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	1.3	69.0	76.8	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	1.3	69.7	77.4	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.3	71.6	79.4	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	1.3	72.9	80.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	1.3	74.2	81.9	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	1.3	74.2	81.9	89.7	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	1.3	74.2	81.9	89.7	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.3	74.2	81.9	90.3	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	1.3	74.2	81.9	91.0	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	1.3	74.2	81.9	91.0	92.3	94.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5
≥ 900	1.3	74.8	82.6	92.3	93.6	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 800	1.3	74.8	82.6	92.3	93.6	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 700	1.3	74.8	82.6	92.3	93.6	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 600	1.3	74.8	82.6	92.3	93.6	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 500	1.3	74.8	82.6	92.3	94.8	96.8	96.8	98.1	98.1	98.7	98.7	98.7	98.7
≥ 400	1.3	74.8	82.6	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4
≥ 300	1.3	74.8	82.6	93.6	96.1	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	1.3	74.8	82.6	93.6	96.1	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	1.3	74.8	82.6	93.6	96.1	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	1.3	74.8	82.6	93.6	96.1	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

21  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	54.2	64.5	68.4	69.7	70.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	1.3	55.5	65.8	71.0	72.9	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	1.3	55.5	65.8	71.0	72.9	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	1.3	55.5	65.8	71.0	72.9	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	1.3	55.5	65.8	71.0	72.9	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	1.3	57.4	67.7	73.6	75.5	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	1.3	58.1	68.4	74.2	76.1	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	1.3	58.1	68.4	74.2	76.1	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	1.3	60.0	70.3	76.1	78.1	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	1.3	60.7	71.0	76.8	78.7	79.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	1.3	60.7	71.0	76.8	78.7	79.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	1.3	61.9	72.3	78.1	80.0	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	1.3	61.9	72.3	78.1	80.0	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	1.3	62.6	72.9	78.7	80.7	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	1.3	63.2	73.6	79.4	81.3	81.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	1.3	64.5	75.5	83.2	85.2	85.8	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0
≥ 2500	1.3	65.2	76.1	83.9	85.8	86.5	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7
≥ 2000	1.3	65.8	76.8	85.2	87.1	87.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 1800	1.3	66.5	77.4	85.8	87.7	88.4	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6
≥ 1500	1.3	66.5	77.4	86.5	88.4	90.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6
≥ 1200	1.3	66.5	77.4	86.5	88.4	90.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6
≥ 1000	1.3	66.5	77.4	87.1	89.0	91.0	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2
≥ 900	1.3	66.5	77.4	87.1	89.0	91.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8
≥ 800	1.3	66.5	77.4	87.1	89.0	91.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8
≥ 700	1.3	66.5	77.4	87.1	89.7	92.3	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 600	1.3	66.5	77.4	87.7	91.0	93.6	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1
≥ 500	1.3	66.5	77.4	87.7	91.0	93.6	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7
≥ 400	1.3	66.5	77.4	87.7	91.0	93.6	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7
≥ 300	1.3	66.5	77.4	87.7	91.0	93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4
≥ 200	1.3	66.5	77.4	87.7	91.0	93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4
≥ 100	1.3	66.5	77.4	87.7	91.0	93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4
≥ 0	1.3	66.5	77.4	87.7	91.0	93.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

OCT  
MONTH

ALL  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	9	46.1	54.0	59.6	62.3	63.2	65.5	66.1	66.1	66.5	66.8	67.5	67.8
≥ 20000	9	47.8	56.6	61.7	66.0	67.1	69.4	70.0	70.0	70.5	70.7	71.5	71.9
≥ 18000	9	47.9	56.7	61.8	66.1	67.2	69.4	70.1	70.1	70.6	70.8	71.6	71.9
≥ 16000	9	48.0	56.8	61.9	66.1	67.3	69.5	70.2	70.2	70.7	70.9	71.7	72.0
≥ 14000	9	48.1	56.9	61.9	66.2	67.3	69.6	70.2	70.2	70.7	71.0	71.8	72.1
≥ 12000	9	49.1	58.1	63.4	67.8	69.0	71.3	71.9	71.9	72.4	72.7	73.5	73.9
≥ 10000	9	50.7	59.8	65.3	70.0	71.3	73.8	74.4	74.4	74.9	75.2	76.0	76.4
≥ 9000	9	51.1	60.2	65.7	70.3	71.6	74.1	74.8	74.8	75.2	75.5	76.3	76.7
≥ 8000	9	52.3	61.8	67.5	72.3	73.6	76.1	76.8	76.8	77.3	77.6	78.4	78.8
≥ 7000	9	53.2	62.7	68.5	73.4	74.8	77.4	78.1	78.2	78.6	78.9	79.7	80.1
≥ 6000	9	53.2	62.8	68.6	73.6	74.9	77.6	78.2	78.3	78.8	79.0	79.8	80.2
≥ 5000	9	53.6	63.4	69.3	74.4	75.9	78.6	79.2	79.3	79.8	80.0	80.8	81.2
≥ 4500	9	53.7	63.5	69.4	74.5	76.1	78.7	79.4	79.4	79.9	80.2	81.1	81.5
≥ 4000	9	54.1	63.9	69.9	75.1	76.6	79.3	79.9	80.0	80.6	80.8	81.7	82.1
≥ 3500	9	54.8	64.6	70.9	76.1	77.6	80.3	81.1	81.1	81.7	81.9	82.8	83.2
≥ 3000	9	55.6	65.5	72.3	77.7	79.3	82.0	82.7	82.8	83.5	83.7	84.7	85.1
≥ 2500	1.1	56.6	66.6	73.5	78.9	80.5	83.2	84.0	84.0	84.7	84.9	85.9	86.3
≥ 2000	1.1	57.3	67.3	74.4	80.0	81.7	84.5	85.3	85.4	86.1	86.3	87.3	87.7
≥ 1800	1.2	57.6	67.6	74.8	80.5	82.2	85.0	85.8	85.9	86.5	86.8	87.7	88.2
≥ 1500	1.2	58.3	68.5	75.9	81.9	84.0	86.9	87.8	87.9	88.6	88.8	89.8	90.2
≥ 1200	1.2	58.5	68.9	76.6	82.7	84.9	88.1	89.0	89.0	89.7	89.9	90.9	91.3
≥ 1000	1.2	58.8	69.4	77.3	83.6	85.8	89.1	90.0	90.1	90.8	91.1	92.1	92.5
≥ 900	1.2	58.9	69.4	77.6	83.9	86.4	89.8	90.7	90.7	91.5	91.7	92.7	93.2
≥ 800	1.2	59.1	69.8	78.2	84.6	87.1	90.5	91.4	91.5	92.3	92.5	93.6	94.0
≥ 700	1.2	59.1	69.8	78.2	84.9	87.5	91.0	92.1	92.2	93.0	93.2	94.3	94.7
≥ 600	1.2	59.1	69.8	78.4	85.4	88.0	91.6	92.8	92.9	93.7	94.0	95.0	95.5
≥ 500	1.2	59.4	70.2	78.8	86.1	88.8	92.6	93.9	94.0	95.0	95.2	96.3	96.8
≥ 400	1.2	59.4	70.2	78.9	86.3	89.0	93.0	94.3	94.4	95.6	95.8	97.0	97.5
≥ 300	1.2	59.4	70.2	79.0	86.4	89.1	93.3	94.8	94.8	96.2	96.5	97.7	98.2
≥ 200	1.2	59.4	70.2	79.0	86.4	89.1	93.4	94.9	95.0	96.5	96.9	98.5	99.0
≥ 100	1.2	59.4	70.2	79.0	86.5	89.2	93.5	95.0	95.1	96.5	96.9	98.6	99.9
≥ 0	1.2	59.4	70.2	79.0	86.5	89.2	93.5	95.0	95.1	96.5	96.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2.7	50.0	54.7	57.3	58.7	58.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	62.7
≥ 20000	2.7	51.3	56.0	58.7	60.0	60.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7	64.0
18000	2.7	51.3	56.0	58.7	60.0	60.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7	64.0
16000	2.7	51.3	56.0	58.7	60.0	60.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7	64.0
14000	2.7	51.3	56.0	58.7	60.7	60.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	64.7
12000	2.7	51.3	56.0	58.7	60.7	60.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	64.7
10000	2.7	53.3	58.0	60.7	62.7	62.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	66.7
9000	3.3	55.3	60.0	62.7	64.7	64.7	66.7	66.7	66.7	67.3	67.3	67.3	67.3	68.7
8000	3.3	56.0	60.7	63.3	65.3	65.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	69.3
7000	3.3	56.0	60.7	63.3	65.3	65.3	67.3	67.3	67.3	68.7	68.7	68.7	68.7	70.0
6000	3.3	56.7	61.3	64.0	66.0	66.0	68.0	68.0	68.0	69.3	69.3	69.3	69.3	70.7
5000	3.3	58.0	62.7	65.3	67.3	67.3	69.3	69.3	69.3	70.7	70.7	70.7	70.7	72.0
4500	3.3	58.7	63.3	66.0	68.0	68.0	70.0	70.0	70.0	71.3	71.3	71.3	71.3	72.7
4000	3.3	60.0	64.7	67.3	69.3	69.3	71.3	71.3	71.3	72.7	72.7	72.7	72.7	74.0
3500	3.3	60.7	65.3	68.7	70.7	70.7	72.7	72.7	72.7	74.0	74.0	74.0	74.0	75.3
3000	3.3	61.3	66.0	70.0	72.0	72.0	74.0	74.0	74.0	75.3	75.3	75.3	75.3	76.7
2500	3.3	62.7	67.3	71.3	73.3	73.3	76.0	76.0	76.0	77.3	77.3	77.3	77.3	78.7
2000	3.3	64.7	69.3	74.7	77.3	77.3	80.0	80.0	80.0	81.3	81.3	81.3	81.3	82.7
1800	3.3	64.7	69.3	74.7	77.3	77.3	80.0	80.0	80.0	81.3	81.3	81.3	81.3	82.7
1500	3.3	65.3	70.7	76.7	79.3	79.3	82.0	82.0	82.0	83.3	83.3	83.3	83.3	84.7
1200	3.3	66.0	71.3	77.3	80.0	80.0	82.7	82.7	82.7	84.0	84.0	84.0	84.0	85.3
1000	3.3	66.7	72.0	78.0	82.0	82.0	84.7	84.7	84.7	86.0	86.0	86.0	86.0	87.3
900	3.3	66.7	72.7	78.7	82.7	83.3	86.0	86.0	86.0	87.3	87.3	87.3	87.3	88.7
800	3.3	67.3	73.3	79.3	83.3	84.0	86.7	86.7	86.7	88.0	88.0	88.0	88.0	90.0
700	3.3	67.3	73.3	80.0	84.0	84.7	87.3	87.3	87.3	88.7	88.7	88.7	88.7	90.7
600	3.3	67.3	74.0	81.3	85.3	86.0	89.3	89.3	89.3	90.7	90.7	90.7	90.7	92.7
500	3.3	67.3	74.0	81.3	85.3	86.0	90.0	90.0	90.0	92.0	92.0	92.0	92.0	94.0
400	3.3	67.3	74.0	82.0	86.0	87.3	91.3	91.3	91.3	93.3	93.3	93.3	93.3	95.3
300	3.3	67.3	74.0	82.0	86.0	87.3	92.0	92.0	92.0	94.7	94.7	94.7	94.7	96.7
200	3.3	67.3	74.0	82.0	86.0	87.3	92.0	92.0	92.0	94.7	94.7	94.7	94.7	98.0
100	3.3	67.3	74.0	82.0	86.0	87.3	92.0	92.0	92.0	95.3	95.3	95.3	95.3	99.3
0	3.3	67.3	74.0	82.0	86.0	87.3	92.0	92.0	92.0	95.3	95.3	95.3	95.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

NOV

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.0	46.7	48.7	50.7	52.7	52.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0
≥ 20000	2.0	47.3	49.3	51.3	53.3	53.3	55.3	55.3	55.3	56.0	56.0	56.7	56.7
≥ 18000	2.0	47.3	49.3	51.3	53.3	53.3	55.3	55.3	55.3	56.0	56.0	56.7	56.7
≥ 16000	2.0	47.3	49.3	51.3	53.3	53.3	55.3	55.3	55.3	56.0	56.0	56.7	56.7
≥ 14000	2.0	47.3	49.3	51.3	54.0	54.0	56.0	56.0	56.0	56.7	56.7	57.3	57.3
≥ 12000	2.0	47.3	49.3	51.3	54.0	54.0	56.0	56.0	56.0	56.7	56.7	57.3	57.3
≥ 10000	2.0	48.0	50.7	52.7	55.3	55.3	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 9000	2.0	49.3	52.0	54.0	56.7	56.7	58.7	58.7	58.7	59.3	59.3	60.0	60.0
≥ 8000	2.0	52.0	54.7	56.7	59.3	59.3	61.3	61.3	61.3	62.0	62.0	62.7	62.7
≥ 7000	2.0	52.0	54.7	56.7	60.0	60.0	62.0	62.0	62.0	62.7	62.7	63.3	63.3
≥ 6000	2.0	52.7	55.3	57.3	60.7	60.7	62.7	62.7	62.7	63.3	63.3	64.0	64.0
≥ 5000	2.0	52.7	55.3	58.7	62.0	62.0	64.0	64.0	64.0	64.7	64.7	65.3	65.3
≥ 4500	2.0	53.3	56.0	59.3	62.7	62.7	64.7	64.7	64.7	65.3	65.3	66.0	66.0
≥ 4000	2.0	54.7	57.3	61.3	64.7	64.7	66.7	66.7	66.7	67.3	67.3	68.0	68.0
≥ 3500	2.0	55.3	58.0	62.0	65.3	65.3	67.3	67.3	67.3	68.0	68.0	68.7	68.7
≥ 3000	2.0	56.0	58.7	62.7	66.0	66.0	68.0	68.0	68.0	68.7	68.7	70.0	70.0
≥ 2500	2.0	56.7	60.7	66.0	69.3	69.3	71.3	71.3	71.3	72.0	72.0	73.3	73.3
≥ 2000	2.0	58.0	62.0	67.3	71.3	71.3	73.3	73.3	73.3	74.7	74.7	76.0	76.0
≥ 1800	2.0	58.0	62.0	67.3	72.0	72.0	74.0	74.0	74.0	75.3	75.3	76.7	76.7
≥ 1500	2.0	58.7	62.7	68.7	74.0	74.0	77.3	77.3	77.3	78.7	78.7	80.7	80.7
≥ 1200	2.0	59.3	63.3	69.3	74.7	74.7	78.0	78.0	78.0	79.3	79.3	81.3	81.3
≥ 1000	2.0	60.7	64.7	70.7	76.7	76.7	80.7	80.7	80.7	82.0	82.0	84.0	84.0
≥ 900	2.0	60.7	64.7	70.7	76.7	76.7	81.3	81.3	81.3	82.7	82.7	84.7	84.7
≥ 800	2.0	60.7	64.7	70.7	76.7	76.7	81.3	81.3	81.3	82.7	82.7	84.7	84.7
≥ 700	2.0	61.3	65.3	72.0	78.0	78.0	83.3	83.3	83.3	84.7	84.7	86.7	86.7
≥ 600	2.0	62.7	66.7	73.3	80.0	80.0	85.3	85.3	85.3	86.7	86.7	88.7	88.7
≥ 500	2.0	63.3	67.3	74.0	80.7	80.7	86.0	86.0	86.0	88.0	88.0	90.7	90.7
≥ 400	2.0	64.0	68.0	74.7	81.3	81.3	87.3	87.3	87.3	89.3	89.3	92.0	92.0
≥ 300	2.0	64.7	68.7	75.3	82.0	82.0	88.0	88.0	88.0	90.7	90.7	94.0	94.0
≥ 200	2.0	64.7	68.7	75.3	82.7	82.7	88.7	88.7	88.7	92.0	92.0	95.3	95.3
≥ 100	2.0	64.7	68.7	75.3	82.7	82.7	88.7	88.7	88.7	92.0	92.0	95.3	95.3
≥ 0	2.0	64.7	68.7	75.3	82.7	82.7	88.7	88.7	88.7	92.0	92.0	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NDV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	49.3	50.7
≥ 20000	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	50.0	51.3
≥ 18000	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	50.0	51.3
≥ 16000	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	50.0	51.3
≥ 14000	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	50.0	51.3
≥ 12000	2.0	36.7	39.3	43.3	45.3	46.0	47.3	47.3	47.3	48.0	48.0	48.0	50.0	51.3
≥ 10000	2.0	38.0	40.7	44.7	47.3	48.7	50.0	50.0	50.0	50.7	50.7	50.7	52.7	54.0
≥ 9000	2.0	38.0	40.7	44.7	47.3	48.7	50.7	50.7	50.7	51.3	51.3	51.3	53.3	54.7
≥ 8000	2.0	38.7	41.3	45.3	48.0	50.0	52.7	52.7	52.7	53.3	53.3	53.3	55.3	56.7
≥ 7000	2.0	38.7	42.7	46.7	50.0	52.0	54.7	54.7	54.7	55.3	55.3	55.3	57.3	58.7
≥ 6000	2.0	38.7	42.7	46.7	50.0	52.0	54.7	54.7	54.7	55.3	55.3	55.3	57.3	58.7
≥ 5000	2.0	38.7	42.7	46.7	50.0	52.0	54.7	54.7	54.7	55.3	55.3	55.3	57.3	58.7
≥ 4500	2.0	38.7	42.7	46.7	50.0	52.0	54.7	54.7	54.7	55.3	55.3	55.3	57.3	58.7
≥ 4000	2.0	38.7	42.7	46.7	50.0	52.0	54.7	54.7	54.7	55.3	55.3	55.3	57.3	58.7
≥ 3500	2.0	40.0	44.0	48.0	52.7	54.7	57.3	57.3	57.3	58.0	58.0	58.0	60.7	62.0
≥ 3000	2.0	42.7	47.3	52.0	57.3	59.3	62.0	62.0	62.0	62.7	62.7	62.7	65.3	66.7
≥ 2500	2.0	44.7	49.3	55.3	60.7	62.7	65.3	65.3	65.3	66.0	66.0	66.0	68.7	70.0
≥ 2000	2.0	45.3	50.0	56.0	61.3	63.3	66.0	66.0	66.0	66.7	66.7	66.7	69.3	70.7
≥ 1800	2.0	45.3	50.0	56.0	61.3	63.3	66.0	66.0	66.0	66.7	66.7	66.7	69.3	70.7
≥ 1500	2.0	47.3	52.0	58.0	63.3	65.3	68.7	68.7	68.7	69.3	69.3	69.3	72.0	73.3
≥ 1200	2.0	48.0	54.0	60.0	66.0	68.0	72.0	72.0	72.0	72.7	72.7	72.7	75.3	76.7
≥ 1000	2.0	49.3	56.7	62.7	69.3	71.3	77.3	77.3	77.3	78.0	78.0	78.0	80.7	82.0
≥ 900	2.0	49.3	56.7	62.7	69.3	71.3	77.3	77.3	77.3	78.0	78.0	78.0	80.7	82.0
≥ 800	2.0	50.0	57.3	63.3	70.0	72.0	78.0	78.0	78.0	78.7	78.7	78.7	81.3	82.7
≥ 700	2.0	50.0	57.3	64.0	70.7	72.7	79.3	79.3	79.3	80.0	80.0	80.0	83.3	84.7
≥ 600	2.0	50.0	57.3	64.0	70.7	73.3	80.0	80.0	80.7	81.3	81.3	81.3	84.7	86.0
≥ 500	2.0	50.0	57.3	64.7	72.0	75.3	83.3	83.3	83.3	84.7	84.7	84.7	88.7	90.0
≥ 400	2.0	50.0	57.3	64.7	72.0	75.3	83.3	84.0	84.0	85.3	85.3	85.3	90.0	91.3
≥ 300	2.0	50.0	57.3	64.7	72.0	75.3	84.0	84.7	84.7	86.0	86.0	86.0	90.7	92.0
≥ 200	2.0	50.0	57.3	64.7	72.0	75.3	84.0	84.7	84.7	86.7	86.7	86.7	92.0	93.3
≥ 100	2.0	50.0	57.3	64.7	72.0	75.3	84.0	84.7	84.7	86.7	86.7	86.7	92.7	94.0
0	2.0	50.0	57.3	64.7	72.0	75.3	84.0	84.7	84.7	86.7	86.7	86.7	92.7	94.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

09

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.0	36.7	41.3	45.3	47.3	48.0	48.0	48.0	48.0	48.0	48.7	48.7	48.7
≥ 20000	2.0	36.7	44.0	48.0	50.0	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0
≥ 18000	2.0	39.3	44.7	48.7	50.7	52.0	52.0	52.0	52.0	52.0	52.7	52.7	52.7
≥ 16000	2.0	39.3	44.7	48.7	50.7	52.0	52.0	52.0	52.0	52.0	52.7	52.7	52.7
≥ 14000	2.0	39.3	44.7	48.7	50.7	52.0	52.0	52.0	52.0	52.0	52.7	52.7	52.7
≥ 12000	2.0	39.3	44.7	48.7	50.7	52.0	52.0	52.0	52.0	52.0	52.7	52.7	52.7
≥ 10000	2.0	42.0	48.0	52.7	54.7	56.7	56.7	56.7	56.7	56.7	57.3	57.3	57.3
≥ 9000	2.0	42.0	48.0	53.3	55.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0
≥ 8000	2.0	42.7	48.7	54.7	56.7	58.7	58.7	58.7	58.7	58.7	59.3	59.3	59.3
≥ 7000	2.0	44.0	50.0	56.0	58.0	60.0	60.0	60.7	60.7	60.7	61.3	61.3	61.3
≥ 6000	2.0	44.0	50.0	56.0	58.0	60.0	60.0	60.7	60.7	60.7	61.3	61.3	61.3
≥ 5000	2.0	44.0	50.0	56.0	58.0	60.0	60.0	60.7	60.7	60.7	61.3	61.3	61.3
≥ 4500	2.0	44.0	50.0	56.0	58.7	61.3	61.3	62.0	62.0	62.0	62.7	62.7	62.7
≥ 4000	2.0	44.7	50.7	57.3	59.3	62.0	62.0	62.7	62.7	62.7	63.3	63.3	63.3
≥ 3500	2.0	44.7	50.7	57.3	59.3	62.0	62.0	62.7	62.7	62.7	63.3	63.3	63.3
≥ 3000	2.0	44.7	50.7	57.3	59.3	62.0	62.0	62.7	62.7	62.7	63.3	63.3	63.3
≥ 2500	2.0	44.7	50.7	57.3	59.3	62.0	62.0	62.7	62.7	62.7	63.3	63.3	63.3
≥ 2000	2.0	48.0	54.0	62.7	64.7	67.3	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 1800	2.0	48.0	54.0	62.7	64.7	67.3	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 1500	2.0	49.3	55.3	65.3	67.3	70.0	70.0	70.7	70.7	70.7	71.3	71.3	71.3
≥ 1200	2.0	50.7	57.3	67.3	69.3	72.0	72.0	72.7	72.7	72.7	73.3	73.3	73.3
≥ 1000	2.0	51.3	58.0	68.7	71.3	74.0	74.0	75.3	75.3	76.0	76.7	76.7	76.7
≥ 900	2.0	51.3	58.7	70.0	73.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 800	2.0	51.3	58.7	70.0	73.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 700	2.0	51.3	58.7	70.0	74.0	78.0	78.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 600	2.0	52.0	59.3	70.7	75.3	79.3	79.3	83.3	83.3	83.3	84.0	84.0	84.0
≥ 500	2.0	52.7	60.0	72.0	77.3	82.7	82.7	87.3	87.3	88.0	88.7	88.7	88.7
≥ 400	2.0	52.7	60.0	72.0	78.0	83.3	83.3	88.7	88.7	89.3	90.0	90.0	90.0
≥ 300	2.0	52.7	60.0	72.0	78.0	84.0	84.0	89.3	89.3	90.7	92.0	92.0	92.0
≥ 200	2.0	52.7	60.0	72.0	78.0	84.0	84.0	89.3	91.3	92.0	94.0	94.0	94.0
≥ 100	2.0	52.7	60.0	72.0	78.0	84.0	84.0	89.3	91.3	92.0	94.0	94.0	94.0
0	2.0	52.7	60.0	72.0	78.0	84.0	84.0	89.3	91.3	92.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

12

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	3.3	49.3	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	3.3	54.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	3.3	54.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	3.3	54.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	3.3	54.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	3.3	55.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	3.3	55.3	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	3.3	56.7	60.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	3.3	58.0	62.0	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	3.3	60.0	64.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	3.3	60.0	64.0	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	3.3	60.0	64.0	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	3.3	60.0	64.0	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	3.3	60.0	64.0	65.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	3.3	60.7	64.7	66.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	3.3	65.3	69.3	71.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	3.3	68.0	72.0	74.0	76.0	77.3	78.0	78.0	78.0	78.0	78.0
≥ 2000	3.3	68.0	72.0	74.0	76.7	78.0	78.7	78.7	78.7	78.7	78.7
≥ 1800	3.3	69.3	73.3	75.3	78.0	79.3	80.0	80.0	80.0	80.0	80.0
≥ 1500	3.3	72.7	77.3	79.3	82.0	83.3	84.0	84.0	84.0	84.0	84.0
≥ 1200	3.3	73.3	78.7	80.7	83.3	84.7	85.3	85.3	85.3	85.3	85.3
≥ 1000	3.3	73.3	78.7	80.7	84.7	86.0	86.7	86.7	86.7	86.7	86.7
≥ 900	3.3	74.7	80.0	83.3	87.3	88.7	90.0	90.0	90.0	90.0	90.0
≥ 800	3.3	74.7	80.0	83.3	87.3	88.7	90.0	90.0	90.0	90.0	90.0
≥ 700	3.3	74.7	80.0	83.3	87.3	89.3	90.7	90.7	90.7	90.7	90.7
≥ 600	3.3	74.7	80.0	83.3	88.7	90.7	92.0	92.7	92.7	92.7	92.7
≥ 500	3.3	74.7	80.7	84.0	90.7	92.7	94.7	96.0	96.0	96.0	96.0
≥ 400	3.3	74.7	80.7	84.0	90.7	92.7	95.3	97.3	98.0	98.0	98.0
≥ 300	3.3	74.7	80.7	84.0	90.7	92.7	95.3	97.3	98.7	99.3	99.3
≥ 200	3.3	74.7	80.7	84.0	90.7	92.7	95.3	97.3	99.3	100.0	100.0
≥ 100	3.3	74.7	80.7	84.0	90.7	92.7	95.3	97.3	99.3	100.0	100.0
0	3.3	74.7	80.7	84.0	90.7	92.7	95.3	97.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

15  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	3.3	56.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	3.3	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	3.3	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	3.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	3.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	3.3	59.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	3.3	60.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	3.3	63.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	3.3	64.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	3.3	64.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	3.3	65.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	3.3	66.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4000	3.3	67.3	70.0	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	3.3	68.7	72.0	74.7	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	3.3	72.7	76.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	3.3	76.0	79.3	82.0	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	3.3	77.3	80.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	3.3	77.3	80.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	3.3	78.0	81.3	85.3	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	3.3	78.0	81.3	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	3.3	79.3	82.7	88.7	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	3.3	79.3	82.7	88.7	90.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	3.3	79.3	82.7	88.7	90.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	3.3	79.3	82.7	88.7	91.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	3.3	79.3	82.7	88.7	91.3	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	3.3	79.3	82.7	88.7	91.3	92.7	94.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 400	3.3	79.3	82.7	88.7	91.3	94.0	96.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 300	3.3	79.3	82.7	88.7	92.0	94.7	97.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	3.3	79.3	82.7	88.7	92.0	94.7	97.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	3.3	79.3	82.7	88.7	92.0	94.7	97.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	3.3	79.3	82.7	88.7	92.0	94.7	97.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

18

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	4.7	55.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	4.7	60.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	4.7	60.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	4.7	60.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	5.3	60.7	63.3	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	5.3	62.0	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	5.3	64.0	67.3	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	5.3	64.7	68.0	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	5.3	68.0	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	5.3	69.3	73.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	5.3	69.3	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	5.3	70.7	75.3	76.7	78.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 4500	5.3	70.7	75.3	76.7	78.0	78.0	78.7	78.7	78.7	78.7	78.7
≥ 4000	5.3	71.3	76.0	77.3	78.7	78.7	79.3	79.3	79.3	79.3	79.3
≥ 3500	5.3	73.3	78.0	79.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3
≥ 3000	5.3	74.7	79.3	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7
≥ 2500	5.3	78.0	83.3	84.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3
≥ 2000	5.3	78.7	84.0	85.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0
≥ 1800	5.3	78.7	84.0	85.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0
≥ 1500	5.3	78.7	84.0	85.3	88.0	88.0	89.3	89.3	89.3	89.3	89.3
≥ 1200	5.3	78.7	84.0	85.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7
≥ 1000	5.3	78.7	84.0	85.3	89.3	90.7	91.3	91.3	91.3	91.3	91.3
≥ 900	5.3	78.7	84.0	85.3	89.3	90.7	91.3	91.3	91.3	91.3	91.3
≥ 800	5.3	78.7	84.0	86.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0
≥ 700	5.3	78.7	84.0	86.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0
≥ 600	5.3	78.7	84.0	86.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0
≥ 500	5.3	78.7	84.0	86.0	90.0	92.0	93.3	93.3	94.0	94.0	94.0
≥ 400	5.3	78.7	84.0	86.0	90.0	92.7	94.7	94.7	96.0	96.0	96.0
≥ 300	5.3	78.7	84.0	86.0	90.0	92.7	94.7	95.3	96.7	97.3	97.3
≥ 200	5.3	78.7	84.0	86.0	90.0	92.7	94.7	95.3	97.3	97.3	97.3
≥ 100	5.3	78.7	84.0	86.0	90.0	92.7	94.7	95.3	97.3	97.3	97.3
0	5.3	78.7	84.0	86.0	90.0	92.7	94.7	95.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION

73-77

STATION NAME

YEARS

NOV

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.7	56.7	59.3	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	4.7	58.0	60.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	4.7	58.0	60.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	4.7	58.0	60.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	4.7	58.0	60.7	61.3	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	5.3	58.7	62.0	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	5.3	59.3	63.3	64.7	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	5.3	59.3	63.3	64.7	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	5.3	62.7	68.0	69.3	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	5.3	63.3	68.7	70.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	5.3	63.3	68.7	70.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	5.3	64.0	69.3	70.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	5.3	65.3	70.7	72.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	5.3	65.3	70.7	72.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	5.3	66.0	71.3	72.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	5.3	68.7	74.7	76.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	5.3	70.7	77.3	78.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	5.3	72.0	78.7	80.7	83.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	5.3	72.7	79.3	81.3	84.0	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	5.3	73.3	80.0	82.0	84.7	84.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	5.3	73.3	80.0	82.7	85.3	85.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	5.3	74.0	80.7	84.0	87.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	5.3	74.0	80.7	84.0	87.3	87.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	5.3	74.0	80.7	84.0	87.3	87.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	5.3	74.0	80.7	84.0	87.3	87.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	5.3	74.0	80.7	84.0	87.3	87.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	5.3	74.0	80.7	84.0	88.0	88.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	5.3	74.0	80.7	84.0	88.0	88.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	5.3	74.0	80.7	84.0	88.0	88.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200	5.3	74.0	80.7	84.0	88.0	88.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	5.3	74.0	80.7	84.0	88.0	88.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 0	5.3	74.0	80.7	84.0	88.0	88.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

130

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

NOV  
MONTH

ALL  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	3.0	47.8	50.6	52.3	53.4	53.6	54.3	54.3	54.3	54.6	54.7	54.9	55.4
≥ 20000	3.1	50.3	53.7	55.3	56.5	56.8	57.5	57.5	57.5	57.8	57.8	58.2	58.7
≥ 18000	3.1	50.5	53.8	55.5	56.7	56.9	57.7	57.7	57.7	57.9	58.0	58.3	58.8
≥ 16000	3.1	50.5	53.8	55.5	56.7	56.9	57.7	57.7	57.7	57.9	58.0	58.3	58.8
≥ 14000	3.2	50.8	54.1	55.8	57.3	57.5	58.3	58.3	58.3	58.5	58.6	58.9	59.1
≥ 12000	3.3	51.1	54.6	56.3	57.8	58.2	58.9	58.9	58.9	59.2	59.3	59.6	60.1
≥ 10000	3.3	52.4	56.2	58.2	59.8	60.2	60.9	60.9	60.9	61.2	61.3	61.6	62.1
≥ 9000	3.3	53.2	56.9	59.0	60.7	61.1	61.9	61.9	61.9	62.2	62.3	62.6	63.1
8000	3.3	55.2	59.2	61.4	63.1	63.6	64.3	64.3	64.3	64.8	64.8	65.2	65.7
7000	3.3	56.0	60.2	62.5	64.4	64.9	65.9	65.9	65.9	66.3	66.3	66.8	67.2
6000	3.3	56.2	60.4	62.8	64.8	65.3	66.3	66.3	66.3	66.6	66.7	67.0	67.5
5000	3.3	56.7	60.9	63.4	65.4	65.9	67.0	67.0	67.0	67.3	67.4	67.8	68.3
4500	3.3	57.1	61.3	63.9	65.9	66.4	67.5	67.5	67.5	67.8	67.9	68.3	68.8
4000	3.3	57.7	61.9	64.8	66.9	67.6	68.7	68.8	68.8	69.1	69.2	69.6	70.1
3500	3.3	58.7	63.0	66.1	68.3	68.9	70.0	70.1	70.1	70.4	70.5	70.9	71.4
3000	3.3	60.8	65.3	68.8	71.1	71.8	72.8	72.9	72.9	73.3	73.3	73.8	74.3
2500	3.3	62.7	67.3	71.3	73.8	74.5	75.8	75.8	75.8	76.2	76.3	76.8	77.3
2000	3.3	64.0	68.8	73.0	75.8	76.5	77.8	77.9	77.9	78.3	78.4	78.9	79.4
1800	3.3	64.3	69.1	73.3	76.1	76.8	78.2	78.3	78.3	78.7	78.8	79.3	79.8
1500	3.3	65.4	70.4	75.1	78.1	78.9	80.6	80.7	80.7	81.1	81.2	81.8	82.3
1200	3.3	65.9	71.3	76.1	79.3	80.2	81.9	82.0	82.0	82.4	82.5	83.1	83.6
1000	3.3	66.7	72.2	77.3	81.3	82.3	84.6	84.8	84.8	85.2	85.3	85.8	86.3
900	3.3	66.8	72.5	77.9	81.9	83.1	85.7	85.8	85.8	86.3	86.3	86.9	87.4
800	3.3	67.0	72.7	78.2	82.3	83.7	86.5	86.7	86.7	87.1	87.2	87.8	88.3
700	3.3	67.1	72.8	78.5	82.8	84.3	87.3	87.4	87.4	87.8	87.9	88.7	89.2
600	3.3	67.3	73.1	78.9	83.6	85.1	88.3	88.7	88.7	89.1	89.2	89.9	90.4
500	3.3	67.5	73.3	79.3	84.3	86.3	90.1	90.8	90.8	91.7	91.8	92.7	93.2
400	3.3	67.6	73.4	79.5	84.7	86.9	91.3	92.1	92.1	93.2	93.3	94.5	95.1
300	3.3	67.7	73.5	79.6	84.8	87.2	91.8	92.7	92.7	94.0	94.2	95.8	96.5
200	3.3	67.7	73.5	79.6	84.9	87.3	91.9	93.1	93.1	94.7	94.9	96.7	97.8
100	3.3	67.7	73.5	79.6	84.9	87.3	91.9	93.1	93.1	94.8	95.0	97.0	98.4
0	3.3	67.7	73.5	79.6	84.9	87.3	91.9	93.1	93.1	94.8	95.0	97.0	98.5

TOTAL NUMBER OF OBSERVATIONS 1200



# CEILING VERSUS VISIBILITY

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEAR

DEC

MONTH

00

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	5.8	50.3	53.6	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	5.8	52.3	55.5	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	5.8	52.3	55.5	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	5.8	52.3	55.5	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	5.8	52.3	55.5	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	6.5	53.6	56.8	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	7.1	56.1	59.4	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	7.1	56.8	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
8000	7.1	60.0	63.2	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2
7000	7.1	60.0	63.2	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
6000	7.1	60.0	63.2	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
5000	7.1	61.3	65.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
4500	7.1	61.3	65.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
4000	7.1	63.2	67.1	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
3500	7.1	63.9	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
3000	7.1	67.1	71.6	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2500	7.1	70.3	74.8	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2000	7.1	70.3	76.1	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1800	7.1	70.3	76.1	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1500	7.1	72.9	78.7	80.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1200	7.1	73.6	79.4	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1000	7.1	74.8	81.3	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
900	7.1	74.8	81.3	83.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
800	7.1	74.8	81.3	83.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7
700	7.1	74.8	81.3	83.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7
600	7.1	74.8	81.3	84.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4
500	7.1	75.5	81.9	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0
400	7.1	75.5	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7
300	7.1	75.5	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7
200	7.1	75.5	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7
100	7.1	75.5	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7
0	7.1	75.5	81.9	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

153

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

03  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	5.2	52.3	54.8	55.5	56.8	56.8	58.7	58.7	58.7	59.4	59.4	59.4
≥ 20000	5.2	52.3	54.8	55.5	56.8	56.8	58.7	58.7	58.7	59.4	59.4	59.4
≥ 18000	5.2	52.3	54.8	55.5	56.8	56.8	58.7	58.7	58.7	59.4	59.4	59.4
≥ 16000	5.2	52.3	54.8	55.5	56.8	56.8	58.7	58.7	58.7	59.4	59.4	59.4
≥ 14000	5.2	52.3	54.8	55.5	56.8	56.8	58.7	58.7	58.7	59.4	59.4	59.4
≥ 12000	5.2	52.9	55.5	56.1	57.4	57.4	59.4	59.4	59.4	60.0	60.0	60.0
≥ 10000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 8000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 7000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 6000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 5000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 4500	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 4000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 3500	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 3000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 2500	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 2000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 1800	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 1500	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 1200	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 1000	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 900	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 800	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 700	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 600	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 500	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 400	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 300	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 200	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 100	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2
≥ 0	5.8	56.1	58.7	59.4	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	3.2	44.5	45.8	47.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	51.6
≥ 20000	3.9	46.5	47.7	49.7	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	54.2
≥ 18000	3.9	46.5	47.7	49.7	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	54.2
≥ 16000	3.9	46.5	47.7	49.7	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	54.2
≥ 14000	3.9	47.1	48.4	50.3	51.6	51.6	52.3	52.9	52.9	52.9	52.9	52.9	54.8
≥ 12000	3.9	47.7	49.7	51.6	52.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	56.1
≥ 10000	3.9	48.4	50.3	52.9	54.2	54.2	54.8	55.5	55.5	55.5	55.5	55.5	57.4
≥ 8000	3.9	50.3	52.9	55.5	56.8	56.8	57.4	58.1	58.1	58.1	58.1	58.1	60.0
≥ 7000	4.5	51.6	54.8	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	61.9
≥ 6000	4.5	52.3	55.5	58.1	59.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7	62.6
≥ 5000	4.5	53.6	56.8	59.4	60.7	60.7	61.3	61.9	61.9	61.9	61.9	61.9	63.9
≥ 4500	4.5	53.6	56.8	59.4	60.7	60.7	61.3	61.9	61.9	61.9	61.9	61.9	63.9
≥ 4000	4.5	54.8	58.1	60.7	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	65.2
≥ 3500	4.5	55.5	58.7	61.3	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	66.5
≥ 3000	4.5	58.7	62.6	65.2	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	70.3
≥ 2500	4.5	60.7	63.9	68.4	71.0	71.0	72.3	72.9	72.9	72.9	72.9	72.9	74.8
≥ 2000	4.5	61.3	67.1	69.7	72.9	72.9	74.2	74.8	74.8	75.5	75.5	75.5	77.4
≥ 1800	4.5	61.9	67.7	71.0	74.2	74.2	75.5	76.1	76.1	76.8	76.8	76.8	78.7
≥ 1500	4.5	62.6	68.4	72.3	75.5	75.5	76.8	77.4	77.4	78.1	78.1	78.1	80.0
≥ 1200	4.5	62.6	68.4	72.9	76.1	76.1	77.4	78.1	78.1	78.7	78.7	78.7	80.7
≥ 1000	4.5	64.5	70.3	75.5	79.4	79.4	81.9	83.2	83.2	83.9	83.9	83.9	85.8
≥ 900	4.5	64.5	70.3	75.5	79.4	79.4	81.9	83.2	83.2	83.9	83.9	83.9	85.8
≥ 800	4.5	64.5	71.0	76.1	80.0	80.0	82.6	83.9	83.9	84.5	84.5	84.5	86.5
≥ 700	4.5	64.5	71.0	76.1	80.0	80.0	82.6	83.9	83.9	84.5	84.5	84.5	86.5
≥ 600	4.5	64.5	71.0	76.8	81.3	81.3	83.9	85.2	85.2	85.8	85.8	85.8	87.7
≥ 500	4.5	64.5	71.0	78.1	83.9	83.9	86.5	87.7	87.7	88.4	88.4	88.4	89.7
≥ 400	4.5	64.5	71.0	78.1	84.5	84.5	87.1	88.4	88.4	89.0	89.0	89.0	90.3
≥ 300	4.5	64.5	71.0	78.1	84.5	84.5	89.0	90.3	90.3	91.0	91.0	91.0	92.9
≥ 200	4.5	64.5	71.0	78.1	84.5	84.5	89.0	91.0	91.0	92.3	92.3	92.3	94.2
≥ 100	4.5	64.5	71.0	78.1	84.5	84.5	89.0	91.0	91.0	92.3	92.3	92.3	96.8
≥ 0	4.5	64.5	71.0	78.1	84.5	84.5	89.0	91.0	91.0	92.3	92.3	92.3	97.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.6	41.3	42.6	46.5	47.1	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	2.6	41.9	43.2	47.1	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0
AI AI 18000	2.6	41.9	43.2	47.1	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0
AI AI 16000	2.6	41.9	43.2	47.1	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0
AI AI 14000	2.6	41.9	43.2	47.1	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0
AI AI 12000	2.6	43.2	44.5	48.4	49.0	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3
AI AI 10000	3.2	45.8	48.4	52.3	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8
AI AI 9000	3.2	45.8	48.4	52.3	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8
AI AI 8000	3.2	47.7	51.0	54.8	55.5	56.8	58.1	59.4	59.4	59.4	59.4	59.4	59.4
AI AI 7000	3.9	49.0	52.3	56.1	57.4	58.7	60.0	61.3	61.3	61.3	61.3	61.3	61.3
AI AI 6000	3.9	51.0	54.2	58.1	59.4	60.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2
AI AI 5000	3.9	51.6	54.8	59.4	60.7	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5
AI AI 4500	3.9	52.3	55.5	60.0	61.3	62.6	63.9	65.2	65.2	65.2	65.2	65.2	65.2
AI AI 4000	3.9	53.6	57.4	61.9	63.2	64.5	65.8	67.1	67.1	67.1	67.1	67.1	67.1
AI AI 3500	3.9	54.2	58.1	62.6	63.9	65.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7
AI AI 3000	3.9	56.8	60.7	65.2	66.5	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3
AI AI 2500	4.5	60.7	64.5	69.0	71.0	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8
AI AI 2000	4.5	60.7	64.5	69.0	71.0	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8
AI AI 1800	4.5	60.7	64.5	69.0	71.0	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8
AI AI 1500	4.5	60.7	64.5	69.0	71.0	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8
AI AI 1200	4.5	61.9	66.5	71.6	73.6	74.8	76.1	78.1	78.1	78.1	78.1	78.1	78.1
AI AI 1000	4.5	61.9	66.5	72.9	74.8	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4
AI AI 900	4.5	62.6	67.1	73.6	75.5	76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0
AI AI 800	4.5	62.6	67.7	74.8	77.4	78.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9
AI AI 700	4.5	62.6	67.7	74.8	78.1	79.4	81.9	83.2	83.2	83.2	83.2	83.2	83.2
AI AI 600	4.5	62.6	67.7	74.8	78.1	80.0	82.6	83.9	83.9	83.9	83.9	83.9	83.9
AI AI 500	4.5	62.6	68.4	76.1	80.7	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7
AI AI 400	4.5	62.6	68.4	76.1	80.7	82.6	88.4	90.3	90.3	90.3	90.3	90.3	90.3
AI AI 300	4.5	62.6	68.4	76.1	81.3	83.2	89.0	91.0	91.0	91.0	91.0	91.0	91.0
AI AI 200	4.5	62.6	68.4	76.1	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6
AI AI 100	4.5	62.6	68.4	76.1	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6
AI AI 0	4.5	62.6	68.4	76.1	81.3	83.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6

125

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.2	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	5.2	54.8	54.8	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	5.2	55.5	55.5	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	5.2	55.5	55.5	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	5.2	56.1	56.1	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	5.2	58.1	58.1	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	5.8	59.4	59.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	5.8	59.4	59.4	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	6.5	60.7	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	6.5	60.7	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	6.5	61.3	61.9	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	6.5	61.9	62.6	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	6.5	61.9	62.6	63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	6.5	63.9	64.5	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	6.5	65.2	65.8	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	6.5	67.1	68.4	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	7.1	69.7	71.0	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	7.1	71.0	72.9	73.6	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1800	7.1	71.6	73.6	74.2	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	7.1	74.8	78.7	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	7.1	74.8	80.0	81.9	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	7.1	74.8	80.0	81.9	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	7.1	74.8	80.0	81.9	83.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	7.1	74.8	80.0	81.9	84.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	7.1	74.8	80.7	83.2	86.5	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	7.1	75.5	81.3	83.9	87.1	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	7.1	75.5	81.3	84.5	88.4	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	7.1	75.5	81.3	84.5	88.4	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	7.1	75.5	81.3	84.5	88.4	94.2	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	7.1	75.5	81.3	84.5	88.4	94.2	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	7.1	75.5	81.3	84.5	88.4	94.2	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	7.1	75.5	81.3	84.5	88.4	94.2	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

DEC  
MONTH

15  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	4.5	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	4.5	58.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	4.5	58.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	4.5	58.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	4.5	58.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	4.5	59.4	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	5.2	60.7	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	5.2	61.9	61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
8000	5.8	63.2	63.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
7000	5.8	64.5	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
6000	5.8	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
5000	5.8	65.8	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4500	5.8	65.8	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4000	5.8	69.7	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
3500	5.8	71.0	71.0	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3000	6.5	74.8	74.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7
2500	6.5	76.1	76.1	78.7	80.0	80.0	81.3	81.3	81.3	81.3	81.3
2000	6.5	77.4	77.4	80.0	81.3	81.3	82.6	82.6	82.6	82.6	82.6
1800	6.5	77.4	77.4	80.0	81.9	81.9	83.2	83.2	83.2	83.2	83.2
1500	6.5	78.7	80.0	82.6	85.2	85.2	86.5	86.5	86.5	86.5	86.5
1200	6.5	79.4	80.7	84.5	87.1	87.1	88.4	88.4	88.4	88.4	88.4
1000	6.5	79.4	81.9	85.8	89.0	89.0	91.0	91.0	91.0	91.0	91.0
900	6.5	79.4	81.9	85.8	89.0	89.0	91.0	91.0	91.0	91.0	91.0
800	6.5	80.0	83.2	87.1	91.0	91.0	92.9	92.9	92.9	92.9	92.9
700	6.5	80.0	83.2	87.1	91.0	91.0	92.9	92.9	92.9	92.9	92.9
600	6.5	80.0	83.2	87.7	92.3	92.3	92.9	92.9	92.9	92.9	92.9
500	6.5	80.0	83.2	87.7	92.3	92.3	94.2	94.2	94.2	94.2	94.2
400	6.5	80.0	83.2	87.7	92.3	92.3	94.8	94.8	94.8	94.8	94.8
300	6.5	80.0	83.2	87.7	92.3	92.3	94.8	94.8	94.8	94.8	94.8
200	6.5	80.7	83.9	88.4	92.9	92.9	95.5	95.5	95.5	95.5	95.5
100	6.5	80.7	83.9	88.4	92.9	92.9	95.5	95.5	95.5	95.5	95.5
0	6.5	80.7	83.9	88.4	92.9	92.9	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

DEC

MONTH

18

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	56.8	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	8.4	61.9	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	8.4	61.9	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	8.4	61.9	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	8.4	62.6	63.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	8.4	63.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	9.0	65.8	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	9.0	65.8	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
8000	9.0	68.4	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	9.0	69.0	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
6000	9.0	70.3	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
5000	9.0	71.0	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4500	9.0	71.0	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4000	9.0	72.9	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
3500	9.0	73.6	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000	9.0	75.5	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2500	9.0	78.1	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2000	9.0	78.7	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1800	9.0	78.7	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1500	9.0	79.4	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1200	9.0	79.4	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1000	9.0	80.7	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
900	9.0	80.7	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
800	9.0	80.7	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
700	9.0	80.7	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
600	9.0	80.7	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
500	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
400	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
300	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
200	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
100	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
0	9.0	80.7	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

DEC

MONTH

21

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.1	57.4	58.7	59.4	59.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	7.7	58.7	60.7	61.3	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	7.7	58.7	60.7	61.3	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	7.7	58.7	60.7	61.3	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	7.7	59.4	61.3	61.9	62.6	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	7.7	60.0	61.9	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	7.7	60.7	62.6	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	7.7	61.3	63.2	63.9	64.5	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	7.7	62.6	64.5	65.2	65.8	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	7.7	63.2	65.2	66.5	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	7.7	63.9	65.8	67.1	67.7	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	7.7	64.5	66.5	67.7	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	7.7	64.5	66.5	67.7	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	7.7	65.8	68.4	69.7	70.3	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	7.7	65.8	68.4	69.7	70.3	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	7.7	71.0	74.2	75.5	76.1	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	7.7	71.0	74.8	76.1	76.8	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	7.7	72.3	76.1	77.4	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	7.7	72.3	76.1	77.4	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	7.7	74.2	78.1	80.0	80.7	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	7.7	76.1	81.3	83.2	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	7.7	76.1	81.9	84.5	85.8	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	7.7	76.8	82.6	85.8	87.1	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	7.7	76.8	82.6	85.8	87.7	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	7.7	76.8	82.6	85.8	87.7	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	7.7	76.8	82.6	86.5	88.4	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	7.7	76.8	82.6	86.5	89.0	89.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	7.7	76.8	82.6	86.5	89.7	89.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	7.7	76.8	82.6	86.5	89.7	89.7	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	7.7	76.8	82.6	86.5	89.7	89.7	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	7.7	76.8	82.6	86.5	89.7	89.7	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	7.7	76.8	82.6	86.5	89.7	89.7	97.4	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 155



# CEILING VERSUS VISIBILITY

STATION NAME: MISSISSIPPI

STATION NAME: MISSISSIPPI

73-77

STATION NAME

YEARS

DEC

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 4	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	5.2	50.8	52.2	53.2	53.9	54.0	54.4	54.7	54.8	54.8	54.8	54.8	54.9	55.1	
≥ 20000	5.4	53.4	54.8	56.0	56.9	56.9	57.4	57.7	57.7	57.7	57.7	57.8	57.8	58.1	58.3
AI AI 18000	5.4	53.3	54.9	56.1	56.9	57.0	57.5	57.7	57.8	57.8	57.8	57.9	57.9	58.2	58.4
AI AI 14000	5.4	53.5	54.9	56.1	56.9	57.0	57.5	57.7	57.8	57.8	57.8	57.9	57.9	58.2	58.4
AI AI 10000	5.4	53.8	55.2	56.4	57.3	57.3	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.5	58.7
AI AI 12000	5.5	54.8	56.4	57.5	58.4	58.5	59.0	59.2	59.3	59.3	59.3	59.4	59.4	59.6	59.8
AI AI 10000	6.0	56.6	58.3	59.7	60.6	60.7	61.1	61.5	61.5	61.5	61.5	61.6	61.9	62.1	
AI AI 10000	6.0	56.9	58.8	60.1	61.0	61.1	61.5	61.9	61.9	61.9	61.9	62.0	62.3	62.5	
AI AI 8000	6.1	58.7	60.9	62.3	63.2	63.4	64.1	64.4	64.6	64.6	64.6	64.7	64.9	65.2	
AI AI 7000	6.3	59.5	61.9	63.4	64.4	64.6	65.3	65.7	65.8	65.8	65.8	65.9	66.1	66.4	
AI AI 4000	6.3	60.2	62.6	64.1	65.1	65.3	66.1	66.4	66.5	66.5	66.5	66.6	66.9	67.1	
AI AI 5000	6.3	61.1	63.6	65.2	66.2	66.5	67.2	67.5	67.7	67.7	67.7	67.7	68.0	68.2	
AI AI 4000	6.3	61.2	63.7	65.3	66.3	66.5	67.3	67.7	67.8	67.8	67.8	67.9	68.2	68.4	
AI AI 4000	6.3	63.1	65.7	67.3	68.3	68.6	69.4	69.8	69.9	69.9	69.9	70.0	70.2	70.5	
AI AI 3500	6.3	63.8	66.5	68.2	69.2	69.4	70.3	70.7	70.8	70.8	70.8	70.9	71.1	71.4	
AI AI 3000	6.4	67.0	70.2	71.9	73.1	73.4	74.4	74.7	74.8	74.8	74.8	74.9	75.2	75.4	
AI AI 2500	6.5	68.8	72.3	74.0	75.4	75.7	76.9	77.3	77.4	77.4	77.4	77.5	77.7	78.0	
AI AI 2000	6.5	69.9	73.7	75.5	77.0	77.3	78.5	79.0	79.2	79.2	79.2	79.3	79.5	79.8	
AI AI 1800	6.5	70.1	73.9	75.7	77.3	77.7	78.8	79.3	79.5	79.5	79.5	79.6	79.8	80.1	
AI AI 1500	6.5	71.5	75.8	78.2	80.2	80.5	81.7	82.2	82.4	82.4	82.4	82.5	82.7	83.0	
AI AI 1200	6.5	72.0	76.9	79.6	81.6	81.9	83.2	83.7	84.0	84.0	84.0	84.0	84.3	84.5	
AI AI 1000	6.5	72.7	78.0	81.1	83.6	83.9	85.7	86.3	86.5	86.5	86.5	86.6	86.9	87.1	
AI AI 900	6.5	72.8	78.2	81.5	84.0	84.4	86.3	86.9	87.3	87.3	87.3	87.3	87.6	87.8	
AI AI 800	6.5	72.9	78.6	81.9	85.1	85.6	87.7	88.4	88.7	88.7	88.7	88.8	89.0	89.3	
AI AI 700	6.5	73.0	78.8	82.3	85.6	86.1	88.6	89.2	89.6	89.6	89.6	89.8	90.1	90.3	
AI AI 600	6.5	73.1	78.9	82.7	86.1	86.9	89.5	90.2	90.6	90.7	90.7	90.9	91.2	91.5	
AI AI 500	6.5	73.2	79.1	83.2	87.3	88.3	91.5	92.3	92.8	92.9	92.9	93.2	93.5	93.7	
AI AI 400	6.5	73.2	79.1	83.2	87.3	89.0	93.1	94.0	94.7	94.8	94.8	95.1	95.2	95.4	
AI AI 300	6.5	73.2	79.1	83.2	87.3	89.1	93.1	94.8	95.6	95.9	95.9	96.3	96.6	96.9	
AI AI 200	6.5	73.2	79.2	83.3	87.8	89.2	94.5	95.7	97.1	97.5	97.5	98.1	98.2	98.5	
AI AI 100	6.5	73.2	79.2	83.3	87.8	89.2	94.6	95.8	97.2	97.7	97.7	98.4	98.6	99.1	100.0
AI AI 0	6.5	73.2	79.2	83.3	87.8	89.2	94.6	95.8	97.2	97.7	97.7	98.4	98.6	99.1	100.0

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.2	41.1	46.4	50.3	53.3	54.1	55.6	56.1	56.1	56.7	56.9	57.2	57.3	57.4	57.5
≥ 20000	2.3	45.1	51.2	55.7	58.9	59.8	61.4	61.9	62.0	62.6	62.8	63.2	63.2	63.4	63.5
18000	2.3	45.2	51.3	55.9	59.1	60.0	61.6	62.1	62.2	62.8	63.0	63.4	63.4	63.5	63.7
16000	2.3	45.3	51.4	56.0	59.2	60.1	61.7	62.2	62.3	62.9	63.1	63.5	63.5	63.6	63.8
14000	2.3	45.7	51.8	56.4	59.7	60.5	62.2	62.7	62.7	63.3	63.6	63.9	64.0	64.1	64.3
12000	2.3	47.0	53.4	58.3	61.7	62.6	64.3	64.8	64.8	65.5	65.7	66.1	66.1	66.3	66.4
10000	2.4	49.1	56.0	61.0	64.6	65.6	67.4	68.0	68.0	68.7	68.9	69.3	69.3	69.5	69.6
9000	2.4	49.6	56.6	61.6	65.3	66.4	68.1	68.7	68.8	69.4	69.7	70.1	70.1	70.3	70.4
8000	2.4	50.9	58.3	63.6	67.5	68.6	70.4	71.0	71.0	71.7	72.0	72.4	72.4	72.6	72.7
7000	2.4	51.6	59.1	64.5	68.4	69.6	71.4	72.1	72.1	72.8	73.1	73.5	73.5	73.7	73.8
6000	2.4	51.8	59.3	64.8	68.8	69.9	71.8	72.5	72.5	73.2	73.4	73.8	73.9	74.0	74.2
5000	2.5	52.6	60.2	65.7	69.8	70.9	72.9	73.5	73.6	74.3	74.5	74.9	75.0	75.1	75.3
4500	2.5	52.8	60.4	66.0	70.0	71.2	73.1	73.8	73.8	74.6	74.8	75.2	75.3	75.4	75.6
4000	2.5	53.7	61.5	67.2	71.4	72.6	74.6	75.3	75.3	76.0	76.3	76.7	76.7	76.9	77.1
3500	2.5	54.5	62.4	68.2	72.4	73.7	75.7	76.4	76.4	77.2	77.4	77.8	77.9	78.1	78.2
3000	2.5	56.3	64.4	70.6	75.0	76.3	78.4	79.1	79.1	79.9	80.2	80.6	80.6	80.8	81.0
2500	2.6	57.8	66.2	72.5	77.1	78.4	80.5	81.3	81.3	82.1	82.3	82.8	82.8	83.0	83.2
2000	2.6	59.0	67.5	74.0	78.7	80.1	82.4	83.1	83.2	83.9	84.2	84.7	84.7	84.9	85.0
1800	2.6	59.2	67.8	74.4	79.2	80.6	82.8	83.6	83.6	84.4	84.7	85.1	85.2	85.3	85.5
1500	2.6	60.5	69.4	76.3	81.3	82.7	85.0	85.8	85.9	86.7	86.9	87.4	87.4	87.6	87.8
1200	2.6	61.0	70.1	77.2	82.3	83.8	86.2	87.0	87.1	87.9	88.2	88.6	88.7	88.9	89.0
1000	2.6	61.6	71.0	78.4	83.8	85.4	88.0	88.9	88.9	89.8	90.1	90.6	90.6	90.8	91.0
900	2.6	61.7	71.3	78.8	84.4	86.0	88.7	89.6	89.6	90.5	90.8	91.3	91.3	91.5	91.7
800	2.6	61.9	71.5	79.2	85.0	86.7	89.5	90.4	90.5	91.3	91.6	92.1	92.2	92.4	92.5
700	2.6	62.0	71.7	79.4	85.3	87.1	90.0	91.0	91.1	92.0	92.3	92.8	92.8	93.0	93.2
600	2.6	62.1	71.8	79.7	85.8	87.7	90.8	91.8	91.9	92.9	93.2	93.7	93.7	94.0	94.1
500	2.6	62.2	72.0	80.0	86.4	88.5	92.0	93.2	93.2	94.3	94.6	95.2	95.3	95.5	95.7
400	2.6	62.3	72.1	80.2	86.8	89.0	92.8	94.1	94.1	95.3	95.7	96.4	96.4	96.7	96.8
300	2.6	62.3	72.1	80.2	86.9	89.2	93.3	94.7	94.8	96.3	96.7	97.6	97.6	97.8	98.0
200	2.6	62.3	72.1	80.2	86.9	89.2	93.5	95.1	95.2	96.8	97.3	98.3	98.4	98.8	99.0
100	2.6	62.3	72.1	80.2	86.9	89.2	93.6	95.2	95.3	97.0	97.5	98.6	98.6	99.2	99.8
0	2.6	62.3	72.1	80.2	86.9	89.2	93.6	95.2	95.3	97.0	97.5	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

14608

DIRNAVOCEANMET SMOS



## 2

STATION  
03866

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

**JAN**  
**MONTH**

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00	38.1	2.6	.6	2.6	2.6	1.3	.6	.6	3.2	1.9	45.6	5.4	155
	03	29.0	3.9	2.6	.6	2.6	1.3	4.5	1.3	2.6	1.3	50.3	6.0	155
	06	29.7	3.2	3.2	4.5	1.3		.6	1.3	5.2		51.0	5.9	155
	09	19.4	4.5	2.6	3.2	1.9	3.9	.6	1.9	5.2	7.1	49.7	6.7	155
	12	20.6	2.6	3.9	3.9	2.6	3.9	.6	4.5	9.7	5.8	41.9	6.4	155
	15	20.6	4.5	3.2	6.5	3.9	3.9	3.9	5.2	5.8	2.6	40.0	5.9	155
	18	21.9	5.8	6.5	5.8	2.6	1.9	1.3	4.5	9.7	2.6	37.4	5.7	155
	21	37.4	1.9	5.2	3.2	1.9	1.3	2.6	1.3	1.9	3.9	39.4	5.0	155
TOTALS		27.1	3.6	3.5	3.8	2.4	2.2	1.8	2.6	5.4	3.2	44.4	5.9	1240

NAVWEASERVCOM



5704 SKY COVER JAN 68

**FEB**  
**MONTH**

PERIOD

73-77

**MERIDIAN, MISSISSIPPI**  
**STATION NAME**

**STATION**  
**03866**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	42.6	6.4	4.3	1.4		2.1	3.5	1.4	5.7	3.5	29.1	4.3	141
	03	46.1	2.1	1.4	2.8	1.4	2.8	2.1	.7	3.5		36.9	4.5	141
	06	34.8	6.4	5.0	2.8	2.8	3.5	3.5	1.4	1.4	.7	37.6	4.8	141
	09	24.1	9.2	2.8	3.5	1.4	1.4	1.4	4.3	9.2	7.1	35.5	5.7	141
	12	24.1	4.3	3.5	5.7	4.3	6.4	3.5	2.8	6.4	5.0	34.0	5.5	141
	15	21.3	7.8	5.0	2.1	2.1	6.4	1.4	9.2	9.2	6.4	29.1	5.6	141
	18	23.4	11.3	5.7	6.4	2.1	3.5	3.5	5.0	5.7	5.0	28.4	5.0	141
	21	42.6	5.7	2.8	7.1	3.5	2.1	5.0	4.3	1.4		25.5	3.8	141
TOTALS		32.4	6.7	3.8	4.0	2.2	3.5	3.0	3.6	5.3	3.5	32.0	4.9	1128



# SKY COVER

MAR  
MONTHMAR  
MONTH

73-77

PERIOD

STATION	STATION NAME
03866	MERIDIAN, MISSISSIPPI

STATION NAME

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00	34.2	1.9	.6	3.9	1.9	1.9	1.3	1.3	1.9		51.0	5.7	155
	03	26.5	1.9	2.6	4.5	1.9	1.3	1.3	1.9	3.2	1.9	52.9	6.3	155
	06	12.3	5.8	5.2	4.5	3.2	3.2	1.9	3.2	6.5	3.2	51.0	6.8	155
	09	8.4	4.5	3.2	3.2	5.2	3.9	.6	3.2	5.8	11.6	50.3	7.4	155
	12	9.0	5.2	5.2	5.2	3.2	2.6	2.6	3.9	11.0	12.9	39.4	7.0	155
	15	11.6	3.9	5.8	2.6	3.2	3.2	.6	8.4	9.7	8.4	42.6	6.9	155
	18	16.8	5.2	1.9	4.5	3.2	4.5	2.6	6.5	7.1	6.5	41.3	6.5	155
	21	29.0	3.2	4.5	3.9	3.9	2.6	.6	.6	3.9	3.2	44.5	5.7	155
TOTALS		18.5	4.0	3.6	4.0	3.2	2.9	1.4	3.6	6.1	6.0	46.6	6.5	1240

03866  
STATION

**MERIDIAN, MISSISSIPPI**

**MERIDIAN, MISSISSIPPI**

MISSISSIPPI  
STATION NAME

73-77

PERIOD

APR MONTH

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00	48.7	4.0	2.7	1.3	1.3		1.3	4.0	4.7	1.3	30.7	4.1	150
	03	44.0	2.7	2.7	5.3	3.3	.7	1.3	2.0	4.0	3.3	30.7	4.3	150
	06	22.0	8.0	4.0	4.7	2.0	.7	4.0	8.0	6.7	4.7	35.3	5.7	150
	09	20.7	5.3	1.3	11.3	4.0	2.0	4.7	4.0	7.3	7.3	32.0	5.7	150
	12	17.3	6.7	5.3	7.3	2.7	4.7	1.3	5.3	8.7	10.7	30.0	5.8	150
	15	12.7	12.0	4.7	7.3	6.7	4.7	3.3	6.7	9.3	5.3	27.3	5.6	150
	18	23.3	9.3	4.7	6.0	4.7	3.3	3.3	5.3	7.3	8.7	24.0	5.1	150
	21	39.3	8.0	6.0	7.3	3.3		4.7	2.0	4.0	.7	24.7	3.8	150
TOTALS		28.5	7.0	3.9	6.3	3.5	2.0	3.0	4.7	6.5	5.3	29.3	5.0	1200



## 2

**STATION**  
**03866**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

MAY  
MONTHMAY  
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00	38.7	2.6	5.8	4.5	2.6	1.9	1.9	4.5	3.9	1.3	32.3	4.6	155
	03	38.1	3.2	4.5	2.6	1.9	3.2	3.9	2.6	3.9		36.1	4.8	155
	06	15.5	3.9	5.8	6.5	5.8	1.9	1.9	4.5	11.6	5.8	36.8	6.2	155
	09	18.7	6.5	5.2	3.9	2.6	8.4	4.5	5.8	9.0	5.8	29.7	5.7	155
	12	7.7	6.5	3.9	7.1	8.4	8.4	6.5	6.5	11.0	8.4	25.8	6.2	155
	15	7.7	6.5	8.4	13.5	7.1	7.1	1.9	5.8	7.7	9.0	25.2	5.7	155
	18	18.1	10.3	6.5	7.7	2.6	3.2	5.8	3.9	3.2	7.1	31.6	5.4	155
	21	36.8	4.5	5.2	4.5	5.2	2.6	1.3	3.2	4.5	3.2	31.0	4.7	155
TOTALS		22.4	5.5	5.7	6.3	4.5	4.6	3.5	4.6	6.9	5.1	31.1	5.4	1240

# SKY COVER

5704 SKY COVER JAN 68

JUN  
MONTH

PERIOD

73-77

03866 MERIDIAN, MISSISSIPPI  
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JUN	00	44.7	6.0	6.0	5.3	3.3	2.0	2.0	5.3	6.0	.7	18.7	150
	03	45.3	6.0	5.3	6.0	3.3	2.7	2.0	2.0	3.3	2.7	21.3	150
	06	19.3	6.0	6.7	11.3	6.7	6.0	4.0	5.3	11.3	8.7	14.7	150
	09	22.7	7.3	4.7	9.3	6.0	8.7	2.7	6.0	10.7	5.3	16.7	150
	12	6.7	6.0	7.3	8.0	14.7	8.7	6.0	8.0	14.0	8.7	12.0	150
	15	2.7	6.0	9.3	16.7	9.3	8.0	5.3	10.0	12.0	7.3	13.3	150
	18	18.0	10.0	8.7	6.7	4.0	4.0	4.7	4.0	10.0	7.3	22.7	150
	21	30.7	6.0	6.7	7.3	3.3	5.3	4.7	4.0	10.0	4.0	16.0	150
TOTALS		23.8	6.7	6.8	8.8	6.3	5.7	3.9	5.6	9.7	5.6	17.2	1200



5704 SKY COVER JAN 68

**STATION**  
**03866**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	30.3	3.9	7.7	4.5	4.5	9.7	3.2	5.2	9.0	3.2	18.7	4.4	155
	03	34.8	6.5	7.1	9.7	5.8	4.5	3.2	1.9	4.5	2.6	19.4	3.8	155
	06	11.6	4.5	6.5	9.7	3.9	9.7	4.5	4.5	13.5	9.0	22.6	5.8	155
	09	20.0	8.4	4.5	10.3	5.8	5.8	1.3	7.7	9.7	7.1	19.4	5.0	155
	12	1.9	1.9	5.8	9.7	12.9	11.0	7.1	14.2	11.6	11.6	12.3	6.1	155
	15	1.3		4.5	11.6	11.6	9.7	5.2	11.6	10.3	12.3	21.9	6.6	155
	18	2.6	8.4	5.2	7.7	2.6	4.5	3.9	7.1	14.8	13.5	29.7	6.9	155
	21	11.0	7.1	5.8	9.0	7.7	3.9	3.9	6.5	9.0	3.2	32.9	5.9	155
TOTALS		14.2	5.1	5.0	9.0	6.9	7.4	6.0	7.3	10.3	7.8	22.1	5.6	1240

NAVWEASERVCOM





**SEP**  
**MONTH**

5704 SKY COVER JAN 68

NAVWEASERVCOM

# SKY COVER

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
OCT	00	49.7	5.2	2.6	5.2	1.9	1.9	1.9	2.6	2.6	2.6	23.9	155
	03	50.3	2.6	5.2	3.2	3.9	1.9	2.6	5.2	1.9	3.2	20.0	155
	06	39.4	9.0	6.5	3.2	3.2		1.3	5.2	4.5	2.6	25.2	155
	09	38.7	9.0	2.6	4.5	1.9	3.2	4.5	.6	7.1	4.5	23.2	155
	12	32.9	7.1	5.8	5.8	5.2	3.9	2.6	3.9	3.9	6.5	22.6	155
	15	29.0	9.0	5.8	4.5	4.5	5.8	3.9	3.9	7.7	3.2	22.6	155
	18	34.2	12.3	5.2	4.5	5.8	1.9	1.3	4.5	7.1	1.9	21.3	155
	21	51.0	4.5	6.5	2.6	3.2	.6	2.6	1.3	1.3	1.3	25.2	155
TOTALS		40.7	7.3	5.0	4.2	3.7	2.4	2.6	3.4	4.5	3.2	23.0	1240



**MONTH**  
**NOV**

73-77

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

03966

PERIOD

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00	42.7	4.0	6.0	6.7	.7	1.3	1.3	4.0	3.3	2.7	27.3	4.1	150
	03	44.7	2.0	3.3	2.7	.7	.7	2.7	3.3	3.3	.7	36.0	4.5	150
	06	31.3	5.3	2.0	1.3	4.0	4.7		5.3	6.0	5.3	34.7	5.3	150
	09	27.3	6.0	2.7	3.3	2.0	1.3	.7	4.7	6.0	7.3	38.7	5.7	150
	12	24.0	7.3	6.0	4.7	.7	4.0	2.0	4.0	10.0	5.3	32.0	5.4	150
	15	24.0	6.7	3.3	6.7	5.3	.7	4.7	4.7	8.7	6.0	29.3	5.4	150
	18	36.0	4.7	4.7	6.7	2.7	2.7	.7	3.3	4.0	4.0	30.7	4.6	150
	21	46.7	4.0	2.7	2.0	2.7	3.3	.7		4.7	.7	32.7	4.2	150
TOTALS		34.6	5.0	3.8	4.3	2.4	2.3	1.6	3.7	5.8	4.0	32.7	4.9	1200

**DEC**  
**MONTH**

73-77

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

03866  
STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

**PERIOD**

**DEC**  
**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00	39.4	5.2	3.2	1.3	4.5	.6	.6	1.9	3.9	3.2	36.1	4.8	155
	03	42.6	3.9	1.9	1.9	2.6	2.6	1.3	3.2	2.6	1.3	36.1	4.6	155
	06	34.8	4.5	4.5	3.9	.6	1.9	1.9	2.6	4.5	2.6	36.1	5.1	155
	09	21.3	10.3	3.9	3.9	3.2		1.9	3.9	3.9	6.5	41.3	5.8	155
	12	21.3	5.2	7.7	3.9	4.5	5.2	3.9	2.6	5.8	5.2	34.8	5.6	155
	15	21.3	7.7	3.9	6.5	3.9	3.9	4.5	4.5	8.4	1.9	33.5	5.5	155
	18	31.0	6.5	5.8	6.5	2.6	1.3	1.3	5.2	4.5	3.2	32.3	4.9	155
	21	45.2	3.2	3.9	3.2	1.3	3.2			3.2	3.9	32.9	4.3	155
TOTALS		32.1	5.8	4.4	3.9	2.9	2.3	1.9	3.0	4.6	3.5	35.6	5.1	1240



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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MERIDIA--ETC(U)  
JUL 78

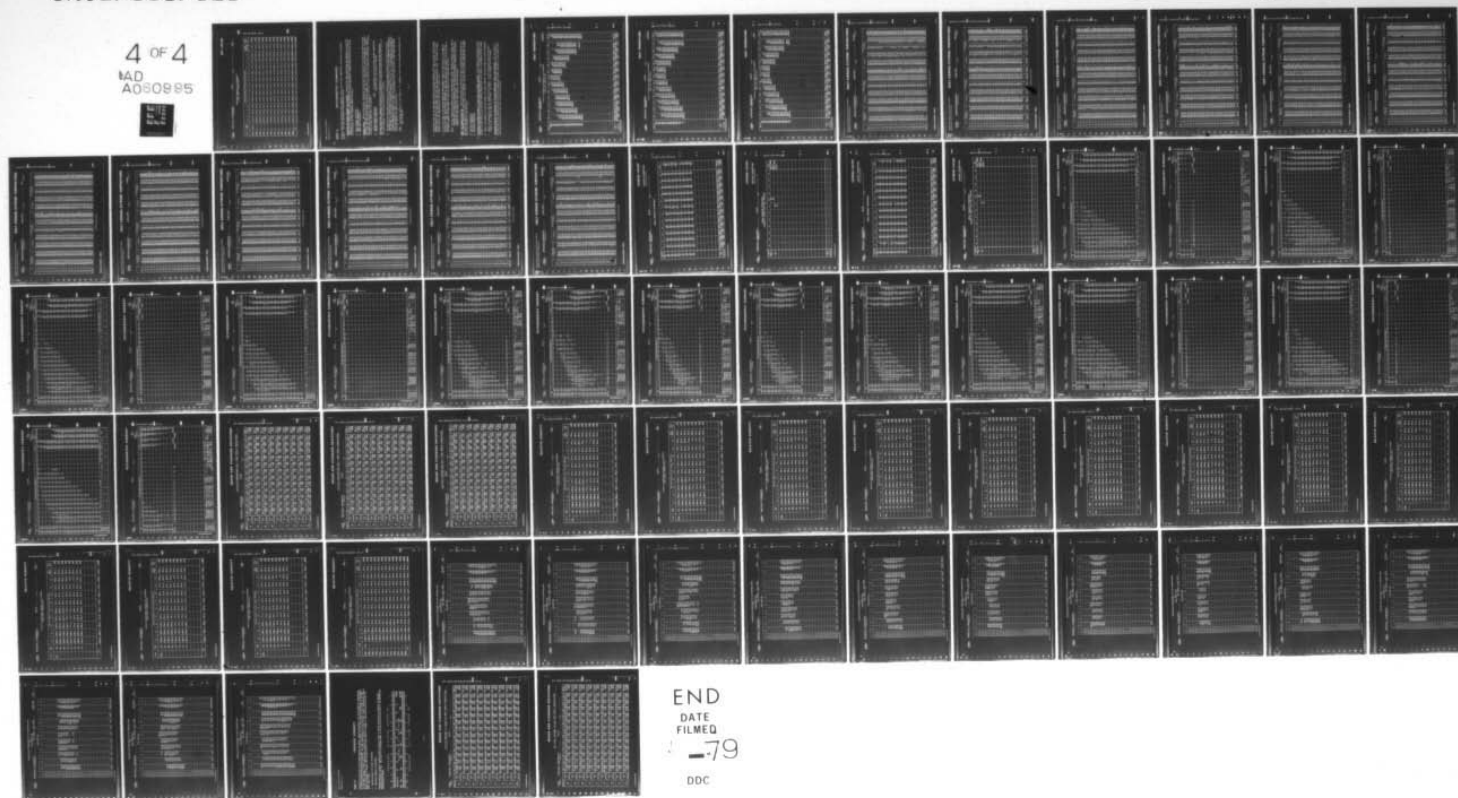
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# SKY COVER

5704 SKY COVER JAN 68

ALL  
MONTH

PERIOD

73-77

03866 MERIDIAN, MISSISSIPPI  
STATION STA. ON NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	27.1	3.6	3.5	3.8	2.4	2.2	1.8	2.6	5.4	3.2	44.4	5.9 1240
FEB		32.4	6.7	3.8	4.0	2.2	3.5	3.0	3.6	5.3	3.5	32.0	4.9 1128
MAR		18.5	4.0	3.6	4.0	3.2	2.9	1.4	3.6	6.1	6.0	46.6	6.5 1240
APR		28.5	7.0	3.9	6.3	3.5	2.0	3.0	4.7	6.5	5.3	29.3	5.0 1200
MAY		22.4	5.5	5.7	6.3	4.5	4.6	3.5	4.6	6.9	5.1	31.1	5.4 1240
JUN		23.8	6.7	6.8	8.8	6.3	5.7	3.9	5.6	9.7	5.6	17.2	4.6 1200
JUL		14.2	5.1	5.9	9.0	6.9	7.4	4.0	7.3	10.3	7.8	22.1	5.6 1240
AUG		22.9	5.9	6.6	10.7	7.3	7.3	3.6	5.2	8.8	6.0	15.7	4.6 1240
SEP		22.6	5.3	5.7	6.0	3.5	4.8	3.1	4.9	7.2	5.8	31.3	5.5 1200
OCT		40.7	7.3	5.0	4.2	3.7	2.4	2.6	3.4	4.5	3.2	23.0	3.9 1240
NOV		34.6	5.0	3.8	4.3	2.4	2.3	1.6	3.7	5.8	4.0	32.7	4.9 1200
DEC		32.1	5.8	4.4	3.9	2.9	2.3	1.9	3.0	4.6	3.5	35.6	5.1 1240
TOTALS		26.7	5.7	4.9	5.9	4.1	4.0	2.8	4.4	6.8	4.9	30.1	5.2 14608



## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



## DAILY TEMPERATURES

03866  
STATION

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

61-77

YEARS

**MAXIMUM**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100						.6	1.2						.2
95						10.6	17.0	9.5	2.9				3.3
90					.4	42.1	63.4	53.3	25.7	3.4			16.5
85			2.4	12.5	10.3	78.1	91.3	88.2	62.7	18.2	.8		33.0
80		.2	11.1	42.1	40.5	94.8	97.3	90.3	82.0	41.4	8.2	1.5	45.9
75	.6	1.1	30.6	63.6	63.9	99.0	100.0	97.8	91.2	62.8	23.5	8.9	56.8
70	5.4	7.1	47.6	30.4	96.2	99.8		100.0	97.5	82.7	40.4	18.0	66.5
65	14.3	19.0	63.3	92.5	99.2	100.0			99.6	92.2	60.4	32.3	75.4
60	26.8	35.2	76.8	97.7	99.8				100.0	99.4	72.9	49.5	82.4
55	41.3	51.8	88.5	99.8	100.0					99.4	86.3	64.3	88.8
50	56.3	69.7	94.0	100.0						100.0	92.9	80.3	93.1
45	68.1	81.6	96.0								98.6	89.8	96.3
40	77.6	90.7	96.0								99.6	95.8	98.4
35	86.7	96.7	100.0								99.8	99.1	99.4
30	93.0	99.1									100.0	99.8	99.9
25	99.0	100.0											99.9
20	99.4											100.0	100.0
15	99.8												100.0
10	100.0												
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
-85													
-90													
-95													
-100													
MEAN	55.6	59.6	67.7	76.6	82.2	88.3	90.3	89.4	85.1	76.8	66.1	58.8	74.7
S.D.	32.53	30.46	30.31	27.38	26.39	25.05	24.57	24.02	23.48	22.91	22.34	21.76	21.18
TOTAL OBS.	496	492	496	480	496	480	481	525	510	527	510	527	5980

NAVWEASERVCOM

# DAILY TEMPERATURES

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

61-77

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75				.6	.2	1.9	2.1	.8	1.0	.2			.6
70			.2	2.3	1.8	17.1	50.7	41.5	21.4	.8	.2		11.4
65		.7	2.0	9.6	18.1	64.6	89.4	83.0	51.6	6.6	2.0	.9	27.4
60	2.6	2.0	8.1	24.4	48.4	83.8	98.1	96.0	73.5	17.5	5.7	3.2	38.8
55	7.3	4.4	15.9	40.8	70.8	93.6	99.4	99.4	86.3	34.0	11.4	8.2	47.8
50	13.1	10.2	27.8	56.0	83.9	98.7	100.0	100.0	93.1	32.4	21.0	14.2	56.3
45	18.3	19.9	39.7	72.1	94.8	100.0			99.2	68.3	35.7	21.8	64.3
40	28.6	28.2	57.1	83.8	99.4				99.8	83.0	50.0	33.4	72.4
35	41.7	42.5	73.6	93.0	100.0				100.0	93.4	66.7	49.0	80.5
30	56.7	63.1	89.1	99.4						99.2	83.3	67.4	88.5
25	73.6	84.1	96.6	100.0						100.0	96.9	86.3	93.0
20	90.1	93.6	99.8								99.4	96.4	98.5
15	94.6	98.7	100.0								100.0	99.2	99.4
10	97.6	99.4										99.6	99.7
5	99.0	100.0										99.8	99.9
0	100.0											100.0	100.0
MEAN	33.2	36.4	42.4	51.2	57.8	63.3	69.0	68.1	63.4	50.0	40.8	36.0	51.0
S. D.	12.559	10.611	10.927	10.115	7.267	5.238	3.637	3.949	7.195	9.493	10.697	11.377	15.782
TOTAL OBS.	496	492	496	480	496	480	481	525	510	527	510	527	5980

NAVWEASERVCOM

106579

5721 Dec 1983  
Temperatures Jan 1983



## DAILY TEMPERATURES

93866  
STATION

**STATION NAME** **MERIDIAN, MISSISSIPPI**

61-77

**YEARS**

24

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

03866

MERIDIAN, MISSISSIPPI

1962-1977

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	44.0	6.7	53.3	11.8	78	25.6	34.7	1.3	15	-9.4	1977
2	45.2	7.3	56.0	13.3	78	25.6	34.4	1.3	22	-5.6	1970*
3	46.8	8.2	57.7	14.3	72	22.2	35.9	2.2	23	-5.0	1970
4	42.6	5.9	53.7	12.1	73	22.8	31.6	-0.2	19	-7.2	1969
5	42.2	5.7	51.1	10.6	72	22.2	33.3	0.7	13	-9.4	1969
6	43.7	6.5	54.0	12.2	74	23.3	33.5	0.8	20	-6.7	1970
7	41.6	5.3	51.9	11.1	80	26.7	31.4	-0.3	14	-10.0	1970
8	41.3	5.2	52.5	11.4	78	25.6	30.1	-1.1	12	-11.1	1970
9	43.8	6.6	54.5	12.5	80	26.7	33.1	0.6	7	-13.9	1970
10	43.4	6.3	53.0	11.7	79	26.1	33.7	0.9	6	-14.4	1962
11	41.2	5.1	50.4	10.2	71	21.7	31.9	-0.1	4	-15.6	1962
12	38.9	3.8	50.2	10.1	69	20.6	27.6	-2.4	1	-17.2	1962
13	39.4	4.1	50.5	10.3	77	25.0	28.4	-2.0	2	-16.7	1962
14	41.5	5.3	52.1	11.2	75	23.9	30.9	-0.6	14	-10.0	1964
15	41.7	5.4	53.8	12.1	76	24.4	29.7	-1.3	11	-11.7	1964
16	40.2	4.6	52.2	11.2	73	22.8	28.2	-2.1	11	-11.7	1972
17	41.7	5.4	54.1	12.3	78	25.6	29.2	-1.6	8	-13.3	1977
18	45.0	7.2	55.0	12.8	73	22.8	35.1	1.7	13	-10.6	1977
19	45.0	7.2	55.1	12.8	74	23.3	34.9	1.6	4	-15.6	1977
20	42.2	5.7	53.1	11.7	72	22.2	31.4	-0.3	12	-11.1	1971
21	46.9	8.3	59.9	15.5	75	23.9	33.9	1.1	20	-6.7	1977*
22	50.0	10.0	60.7	15.9	78	25.6	39.2	4.0	20	-6.7	1970
23	50.2	10.1	61.5	16.4	76	24.4	39.0	3.9	7	-13.9	1963
24	48.0	8.9	58.4	14.7	76	24.4	37.6	3.1	2	-16.7	1963
25	48.4	9.1	59.6	15.3	72	22.2	37.2	2.9	9	-12.8	1963
26	49.0	9.4	61.7	16.5	75	23.9	36.3	2.4	25	-3.9	1968
27	45.8	7.7	58.1	14.5	77	25.0	33.5	0.8	19	-7.2	1963
28	47.2	8.4	60.4	15.8	80	26.7	33.9	1.1	13	-10.6	1963
29	46.2	7.9	59.7	15.4	75	23.9	32.6	0.3	9	-12.8	1966
30	46.9	8.3	59.9	15.5	73	22.8	33.9	1.1	7	-13.9	1966
31	47.1	8.4	59.8	15.4	77	25.0	34.3	1.3	13	-10.6	1963
Monthly	44.4	6.9	55.6	13.1	80	26.7	33.2	0.7	1	-17.2	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

03866

MERIDIAN, MISSISSIPPI

1962-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	51.2	10.7	62.6	17.0	77	25.0	19	-9.4	39.7	4.3	19	-9.4	1977
2	48.7	9.3	60.6	15.9	76	24.4	19	-7.2	36.8	2.7	19	-7.2	1965
3	42.0	5.6	53.9	12.2	74	23.3	16	-8.9	30.1	-1.1	16	-8.9	1970
4	44.6	7.0	57.7	14.3	72	22.2	10	-12.2	31.5	-0.3	10	-12.2	1970
5	46.6	8.1	60.3	15.8	71	21.7	17	-8.3	32.7	0.4	17	-8.3	1972
6	47.2	8.4	59.6	15.3	74	23.3	19	-7.2	34.7	1.5	19	-7.2	1977
7	44.3	6.8	55.7	13.2	73	22.8	20	-6.7	32.9	0.5	20	-6.7	1962
8	42.7	5.9	56.2	13.4	75	23.9	17	-8.3	29.1	-1.6	17	-8.3	1971
9	44.2	6.8	57.2	14.0	78	25.6	9	-12.8	31.2	-0.4	9	-12.8	1971
10	45.7	7.6	59.7	15.4	68	20.0	22	-5.6	31.7	-0.2	22	-5.6	1973*
11	48.9	9.4	61.7	16.5	78	25.6	17	-8.3	36.1	2.3	17	-8.3	1968*
12	46.3	7.9	58.6	14.8	77	25.0	20	-6.7	34.1	1.2	20	-6.7	1971
13	46.2	7.9	59.4	15.2	84	28.9	14	-10.0	34.6	0.6	14	-10.0	1971
14	48.1	8.9	61.5	16.4	74	23.3	22	-5.6	34.6	1.4	22	-5.6	1965
15	49.1	9.5	58.6	14.8	75	23.9	21	-6.1	39.5	4.2	21	-6.1	1977*
16	46.0	7.8	56.6	12.6	76	24.4	20	-6.7	37.5	3.1	20	-6.7	1963
17	46.8	8.2	57.8	14.3	78	25.6	28	-2.2	39.9	2.2	28	-2.2	1968
18	48.2	9.0	60.2	15.7	75	23.9	23	-5.0	36.3	2.4	23	-5.0	1968
19	47.2	8.4	60.2	15.7	76	24.4	19	-7.2	34.2	1.2	19	-7.2	1972
20	47.0	8.3	61.7	16.5	77	25.0	22	-5.6	32.2	0.1	22	-5.6	1963
21	48.2	9.0	62.3	16.9	76	24.4	13	-10.6	33.8	1.0	13	-10.6	1963
22	45.5	7.5	56.6	13.7	75	23.9	14	-10.0	34.4	1.3	14	-10.0	1964
23	48.0	8.9	61.7	16.5	82	27.8	21	-6.1	34.3	1.3	21	-6.1	1968
24	46.9	8.3	59.9	15.5	75	23.9	19	-7.2	33.9	1.1	19	-7.2	1967
25	47.6	8.7	60.4	15.8	81	27.2	19	-7.2	34.7	1.5	19	-7.2	1967
26	49.6	9.8	63.4	17.4	81	27.2	16	-8.9	35.7	2.1	16	-8.9	1967
27	49.8	9.9	63.3	17.4	85	29.4	26	-3.3	36.2	2.3	26	-3.3	1968
28	50.2	10.1	64.1	17.8	79	26.1	23	-5.0	36.3	2.4	23	-5.0	1964
29	47.4	8.6	60.0	15.6	77	25.0	9	-12.8	34.7	1.5	9	-12.8	1971
30													
31													
Monthly	47.0	8.3	59.6	15.3	85	29.4			34.4	1.3			

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866

MERIDIAN, MISSISSIPPI

1962-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C		° F	° C	° F	° C	° F	° C	° F	° C	
1	51.7	10.9	64.3	17.9	79	26.1	1976	39.2	4.0	21	-6.1	1968
2	52.7	11.5	64.9	18.3	76	24.4	1974*	40.6	4.8	26	-3.3	1969
3	51.8	11.0	61.1	16.2	79	26.1	1974	42.6	5.9	24	-4.4	1971
4	53.2	11.8	64.7	18.2	82	27.8	1976	41.7	5.4	19	-7.2	1971
5	49.6	9.8	60.9	16.1	81	27.2	1974*	38.2	3.4	20	-6.7	1968
6	49.5	9.7	61.8	16.6	83	28.3	1974	37.1	2.8	22	-5.6	1962
7	49.7	9.8	61.9	16.6	81	27.2	1974	37.6	3.1	23	-5.0	1971*
8	51.4	10.8	65.2	18.4	82	27.8	1974	37.5	3.1	23	-5.0	1971
9	52.9	11.6	67.2	19.6	85	29.4	1974	38.6	3.7	23	-5.0	1971
10	55.6	13.1	67.8	19.9	83	28.3	1974	43.4	6.3	26	-3.3	1969*
11	58.2	14.6	70.7	21.5	87	30.6	1967	45.7	7.6	24	-4.4	1969
12	58.6	14.8	70.6	21.4	85	29.4	1967	46.6	8.1	29	-1.7	1969
13	54.8	12.7	67.1	19.5	86	30.0	1963	42.5	5.8	26	-3.3	1968
14	55.5	13.1	66.7	19.3	84	28.9	1967	44.2	6.8	24	-4.4	1968
15	56.2	13.4	68.9	20.5	83	28.3	1977	43.6	6.4	31	-0.6	1970
16	53.8	12.1	67.6	19.8	80	26.7	1965	40.1	4.5	29	-1.7	1970
17	53.4	11.9	66.9	19.4	87	30.6	1963	39.9	4.4	31	-0.6	1967*
18	56.5	13.6	71.1	21.7	87	30.6	1963	41.9	5.3	29	-1.7	1962
19	58.1	14.5	70.7	21.5	84	28.9	1963	43.5	7.3	29	-1.7	1967
20	59.2	15.1	71.9	22.2	84	28.9	1976	46.4	8.0	24	-4.4	1965
21	53.9	12.2	66.0	18.9	84	28.9	1966	41.9	5.5	21	-6.1	1965
22	52.3	11.3	65.9	18.8	82	27.8	1966	38.7	3.7	24	-4.4	1965
23	54.6	12.6	69.3	20.7	81	27.2	1967	39.9	4.4	26	-3.3	1968
24	55.4	13.0	69.3	20.7	84	28.9	1965	41.5	5.3	20	-6.7	1968
25	57.2	14.0	68.7	20.4	82	27.8	1967	43.7	7.6	25	-3.9	1966
26	54.5	12.5	66.1	18.9	77	25.0	1977	43.0	6.1	30	-1.1	1972*
27	56.4	13.6	70.3	21.3	78	25.6	1963	42.5	5.8	26	-3.3	1969
28	60.8	16.0	74.8	23.8	82	27.8	1963	46.7	8.2	30	-1.1	1969
29	61.1	16.2	72.9	22.7	85	29.4	1974*	49.2	9.6	36	2.2	1966
30	58.1	14.5	68.9	20.5	86	30.0	1963	47.3	8.3	27	-2.8	1964
31	59.5	15.3	73.6	23.1	88	31.1	1974	45.3	7.4	32	0.0	1964
Monthly	55.0	12.8	67.7	19.8	88	31.1	1974	42.4	5.8	19	-7.2	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

1962-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	61.2	16.2	74.9	23.8	86	30.0	47.4	8.6	31	-0.6	1972
2	59.9	15.5	74.9	23.8	85	29.4	45.0	7.2	32	0.0	1972
3	62.3	16.8	74.7	23.7	85	29.4	49.9	9.9	28	-2.2	1962
4	60.1	15.6	73.8	23.2	86	30.0	46.4	8.0	30	-1.1	1975
5	57.4	14.1	69.2	20.7	87	30.6	45.6	7.6	32	0.0	1972
6	58.6	14.8	72.1	22.3	87	30.6	45.2	7.3	33	0.6	1974*
7	61.7	16.5	75.5	24.2	86	30.0	47.9	8.8	35	1.7	1971
8	62.3	16.8	76.3	24.6	87	30.6	48.2	9.0	31	-0.6	1971
9	61.7	16.5	74.2	23.4	87	30.6	49.1	9.5	33	0.6	1972*
10	61.2	16.2	75.1	23.9	86	30.0	47.4	8.6	31	-0.6	1964
11	63.7	17.6	77.7	25.4	85	29.4	49.6	9.8	29	-1.7	1973
12	64.5	18.1	76.9	24.9	88	31.1	52.1	11.2	34	1.1	1973
13	64.2	17.9	75.6	24.2	89	31.7	52.7	11.5	35	1.7	1975
14	63.7	17.6	75.8	24.3	83	28.3	51.6	10.9	40	4.4	1963
15	62.9	17.2	76.9	24.9	88	31.1	48.9	9.4	33	0.6	1971
16	62.9	17.2	77.1	25.1	88	31.1	48.8	9.3	30	-1.1	1962
17	64.9	18.3	78.6	25.9	87	30.6	51.2	10.7	35	1.7	1962
18	66.6	19.2	79.2	26.2	86	30.0	54.1	12.3	37	2.8	1974
19	67.0	19.4	78.6	25.9	86	30.0	55.4	13.0	44	6.7	1974
20	66.8	19.3	79.7	26.5	86	30.0	53.9	12.2	42	5.6	1975
21	68.1	20.1	79.6	26.4	85	29.4	56.7	13.7	39	3.9	1975
22	67.9	19.9	79.9	26.6	89	31.7	55.9	13.3	41	5.0	1975
23	69.0	20.6	81.7	27.6	89	31.7	56.2	13.4	39	3.9	1972
24	65.1	18.4	75.8	24.3	89	31.7	54.4	12.4	41	5.0	1969
25	64.0	17.8	75.8	24.3	85	29.4	52.1	11.2	36	2.2	1969
26	65.2	18.4	77.4	25.2	84	28.9	53.1	11.7	37	2.8	1962
27	66.1	18.9	78.1	25.6	87	30.6	54.1	12.3	38	3.3	1977*
28	66.6	19.2	78.9	26.1	88	31.1	54.3	12.4	40	4.4	1976*
29	65.4	18.6	76.9	24.9	89	31.7	53.8	12.1	38	3.3	1973*
30	65.9	18.8	77.1	25.1	89	31.7	54.7	12.6	40	4.4	1964
31											
Monthly	63.9	17.7	76.6	24.8	89	31.7	51.2	10.7	28	-2.2	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

03866

STATION

1762-1977

MAY

STATION NAME

MERIDIAN, MISSISSIPPI

YEARS

MONTH

DAY	MEAN TEMP				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	66.0	18.9	78.7	25.9	86	30.0	1966	53.2	11.8	42	5.6	1969*
2	65.0	18.3	76.4	24.7	84	28.9	1965	53.7	12.1	40	4.4	1963
3	63.3	17.4	75.6	24.2	85	29.4	1974*	51.1	10.6	40	4.4	1967
4	64.4	18.0	77.7	25.4	85	29.4	1974*	51.1	10.6	36	2.2	1976
5	65.7	18.7	79.7	26.5	86	30.0	1969	51.7	10.9	39	3.9	1976
6	67.7	19.8	79.2	26.2	86	30.0	1977*	56.2	13.4	44	6.7	1968
7	68.5	20.3	80.2	26.8	89	31.7	1963	56.7	13.7	44	6.7	1968
8	70.0	21.1	82.2	27.9	89	31.7	1963*	57.4	14.3	47	8.3	1974*
9	68.4	20.2	81.4	27.4	88	31.1	1974*	55.4	13.0	47	8.3	1976
10	68.8	20.4	81.6	27.6	89	31.7	1962	56.1	13.4	44	6.7	1966
11	70.8	21.6	82.2	27.9	91	32.8	1962	59.3	15.2	45	7.2	1966
12	70.7	21.5	82.3	27.9	92	33.3	1963*	59.2	15.1	46	7.8	1969
13	69.6	21.0	81.6	27.6	92	33.3	1962	58.1	14.5	48	8.9	1971
14	69.1	20.6	81.4	27.4	90	32.2	1967*	56.9	13.8	42	5.6	1971
15	68.9	20.5	80.8	27.1	92	33.3	1963	57.0	13.9	45	7.2	1967
16	70.4	21.3	83.0	28.3	92	33.3	1962	57.9	14.4	41	5.0	1973
17	70.6	21.4	82.7	28.2	91	32.8	1962	58.4	14.7	40	4.4	1967
18	70.3	21.3	83.7	28.7	92	33.3	1962	56.9	13.8	40	4.4	1973
19	71.4	21.9	84.9	29.4	93	33.9	1962	57.9	14.4	41	5.0	1976
20	71.9	22.2	84.4	29.1	91	32.8	1964*	59.3	15.2	40	4.4	1976
21	71.4	21.9	84.1	28.9	92	33.3	1962	58.7	14.8	47	8.3	1976
22	71.7	22.1	83.4	28.6	92	33.3	1969	59.9	15.5	45	7.2	1971
23	72.6	22.6	84.9	29.4	93	33.9	1969	60.2	15.7	49	9.4	1971
24	73.2	22.9	85.0	29.4	92	33.3	1965	61.3	16.3	46	7.8	1967
25	73.2	22.9	85.7	29.8	92	33.3	1965	60.6	15.9	50	10.0	1967
26	73.3	22.9	85.0	29.4	92	33.3	1975	61.6	16.4	47	8.3	1971
27	73.2	22.9	84.4	29.1	92	33.3	1964*	62.1	16.7	55	12.8	1971
28	73.2	22.9	84.6	29.2	96	35.6	1962	61.7	16.5	53	11.7	1968
29	71.8	22.1	83.9	28.8	92	33.3	1977	59.7	15.4	46	7.8	1971
30	72.3	22.4	84.0	28.9	96	35.6	1977	60.7	15.9	40	4.4	1971
31	72.8	22.7	84.2	29.0	93	33.9	1977	61.4	16.3	47	8.3	1971
Monthly	70.0	21.1	82.2	27.9	96	35.6	1977*	57.8	14.3	36	2.2	1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS





NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866

STATION

1962-1977

JULY

STATION NAME

MERIDIAN, MISSISSIPPI

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	79.7	26.5	91.6	33.1	99	37.2	1968	1968	1968	1968	67.7	19.8	61	16.1	1974	1974	1974	1974
2	79.7	26.5	91.1	32.8	97	36.1	1977*	1977*	1977*	1977*	68.3	20.2	61	16.1	1976	1976	1976	1976
3	79.0	26.1	90.1	32.3	97	36.1	1965	1965	1965	1965	68.0	20.0	61	16.1	1967	1967	1967	1967
4	79.5	26.4	90.6	32.6	99	37.2	1970*	1970*	1970*	1970*	68.4	20.2	57	13.9	1967	1967	1967	1967
5	79.7	26.5	90.1	32.3	100	37.8	1977	1977	1977	1977	69.3	20.7	62	16.7	1968	1968	1968	1968
6	79.5	26.4	90.0	32.2	98	36.7	1977	1977	1977	1977	69.1	20.6	58	14.4	1972	1972	1972	1972
7	79.7	26.5	90.9	32.7	100	37.8	1977	1977	1977	1977	68.4	20.2	54	12.2	1972	1972	1972	1972
8	79.2	26.2	90.4	32.4	101	38.3	1969	1969	1969	1969	68.1	20.1	60	15.6	1972	1972	1972	1972
9	79.5	26.4	90.2	32.3	98	36.7	1969*	1969*	1969*	1969*	68.7	20.4	62	16.7	1972	1972	1972	1972
10	79.3	26.3	90.6	32.6	101	38.3	1966	1966	1966	1966	68.1	20.1	59	15.0	1963	1963	1963	1963
11	79.2	26.2	90.3	32.4	97	36.1	1966	1966	1966	1966	68.1	20.1	58	14.4	1963	1963	1963	1963
12	79.7	26.5	91.3	32.9	98	36.7	1966	1966	1966	1966	68.1	20.1	61	16.1	1963	1963	1963	1963
13	79.3	26.3	90.5	32.5	98	36.7	1969*	1969*	1969*	1969*	68.2	20.1	62	16.7	1975	1975	1975	1975
14	80.1	26.7	91.3	32.9	101	38.3	1966	1966	1966	1966	68.9	20.5	55	12.8	1967	1967	1967	1967
15	80.9	27.2	92.1	33.4	102	38.9	1966	1966	1966	1966	69.7	20.9	52	11.1	1967	1967	1967	1967
16	80.1	26.7	91.4	33.0	98	36.7	1962	1962	1962	1962	68.8	20.4	53	11.7	1967	1967	1967	1967
17	79.9	26.6	89.9	32.2	96	35.6	1977	1977	1977	1977	69.9	21.1	61	16.1	1967	1967	1967	1967
18	79.5	26.4	90.3	32.4	95	35.0	1968	1968	1968	1968	68.6	20.3	57	13.9	1967	1967	1967	1967
19	79.8	26.6	90.5	32.5	95	35.0	1966	1966	1966	1966	69.0	20.6	60	15.6	1976*	1976*	1976*	1976*
20	80.0	26.7	90.9	32.7	98	36.7	1962	1962	1962	1962	69.1	20.6	63	17.2	1976	1976	1976	1976
21	79.6	26.4	90.1	32.3	97	36.1	1962	1962	1962	1962	69.1	20.6	64	17.8	1962	1962	1962	1962
22	80.0	26.7	90.7	32.6	95	35.0	1962	1962	1962	1962	69.2	20.7	64	17.8	1971*	1971*	1971*	1971*
23	80.2	26.8	91.2	32.9	99	37.2	1962	1962	1962	1962	69.2	20.7	64	17.8	1967	1967	1967	1967
24	80.3	26.8	90.8	32.7	96	35.6	1962	1962	1962	1962	69.7	20.9	63	17.2	1966	1966	1966	1966
25	80.6	27.0	91.1	32.8	97	36.1	1976*	1976*	1976*	1976*	70.2	21.2	65	18.3	1966	1966	1966	1966
26	80.4	26.9	89.9	32.2	98	36.7	1968	1968	1968	1968	71.0	21.7	67	19.4	1966	1966	1966	1966
27	80.5	26.9	90.6	32.6	96	35.6	1968	1968	1968	1968	70.5	21.4	66	18.9	1967	1967	1967	1967
28	80.6	27.0	91.4	33.0	97	36.1	1966	1966	1966	1966	69.9	21.1	63	17.2	1967	1967	1967	1967
29	79.6	26.4	88.9	31.6	97	36.1	1966	1966	1966	1966	70.3	21.3	66	18.9	1969	1969	1969	1969
30	79.3	26.3	88.7	31.5	95	35.0	1962	1962	1962	1962	69.8	21.0	63	17.2	1963	1963	1963	1963
31	78.5	23.8	88.5	31.4	95	35.0	1968	1968	1968	1968	68.4	20.2	60	15.6	1963	1963	1963	1963
Monthly	79.8	26.6	90.5	32.5	102	38.9	1966	1966	1966	1966	69.0	20.6	52	11.1	1967	1967	1967	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

03866

HERIDIAN, MISSISSIPPI

1961-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	79.6	26.4	89.6	32.0	97	36.1	69.6	20.9	64	17.8	1970*
2	78.7	25.9	88.6	31.4	96	35.6	68.8	20.4	60	15.6	1970
3	78.4	25.8	88.2	31.2	95	35.0	68.5	20.3	59	15.0	1965
4	78.8	26.0	89.3	31.8	97	36.1	68.4	20.2	63	17.2	1973
5	79.0	26.1	90.5	32.5	95	35.0	67.6	19.8	62	16.7	1974*
6	79.7	26.5	90.9	32.7	97	36.1	68.6	20.3	62	16.7	1974*
7	80.2	26.8	91.0	32.8	97	36.1	69.4	20.8	60	15.6	1967
8	79.6	26.4	90.2	32.3	96	35.6	69.1	20.6	64	17.8	1976
9	79.9	26.6	90.8	32.7	97	36.1	68.9	20.5	57	13.9	1976
10	79.3	26.3	89.1	31.7	95	35.0	69.6	20.9	59	15.0	1976
11	78.6	25.9	89.6	32.0	94	34.4	67.6	19.8	58	14.4	1967*
12	78.5	25.8	89.5	31.9	96	35.6	67.4	19.7	57	13.9	1967
13	78.7	25.9	88.9	31.6	95	35.0	68.5	20.3	60	15.6	1967
14	78.3	25.7	89.2	31.8	96	35.6	67.5	19.7	58	14.4	1967
15	78.7	25.9	89.9	32.2	95	35.0	67.5	19.7	57	13.9	1967
16	79.4	26.3	90.3	32.4	97	36.1	68.5	20.3	59	15.0	1963
17	79.1	26.2	89.4	31.9	94	34.4	68.8	20.4	62	16.7	1963
18	78.7	25.9	89.2	31.8	95	35.0	68.2	20.1	63	17.2	1967
19	79.1	26.2	89.5	31.9	95	35.0	68.8	20.4	58	14.4	1976
20	78.6	25.9	89.5	31.9	95	35.0	67.8	19.9	56	13.3	1976
21	79.0	26.1	89.5	31.9	94	34.4	68.6	20.3	61	16.1	1976
22	78.9	26.1	89.3	31.8	96	35.6	68.5	20.3	60	15.6	1961
23	78.2	25.7	88.4	31.3	96	35.6	67.9	19.9	60	15.6	1976
24	78.4	25.8	89.6	32.0	97	36.1	67.1	19.5	60	15.6	1966
25	77.8	25.4	88.2	31.2	95	35.0	67.4	19.7	61	16.1	1969*
26	78.0	25.6	89.5	31.9	96	35.6	66.5	19.2	56	13.3	1966
27	78.1	25.6	88.9	31.6	95	35.0	67.3	19.6	57	13.9	1966
28	77.7	25.4	88.5	31.4	97	36.1	66.9	19.4	59	15.0	1968
29	77.9	25.5	88.9	31.6	95	35.0	66.9	19.4	55	12.8	1968
30	78.1	25.6	89.6	32.0	97	36.1	66.5	19.2	52	11.1	1968
31	78.2	25.7	89.1	31.7	95	35.0	67.4	19.7	54	12.2	1968
Monthly	78.8	26.0	89.4	31.9	97	36.1	68.1	20.1	52	11.1	1968

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866 MERIDIAN, MISSISSIPPI  
STATION

1961-1977

YEARS

STATION NAME

03866  
STATION

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	78.1	25.6	86.6	31.4	95	35.0	67.6	19.8	56	13.3	1975
2	77.9	25.5	89.2	31.8	98	36.7	66.6	19.2	58	14.4	1962
3	77.4	25.2	87.9	31.1	95	35.0	66.9	19.4	58	14.4	1962
4	78.0	25.6	87.4	30.8	97	36.1	68.6	20.3	56	13.3	1962
5	78.0	25.6	86.8	30.4	94	34.4	69.2	20.7	59	15.0	1961
6	76.5	24.7	85.4	29.7	95	35.0	67.5	19.7	61	16.1	1970
7	76.4	24.7	85.5	29.7	93	33.9	67.2	19.6	58	14.4	1970*
8	77.5	25.3	87.8	31.0	93	33.9	67.3	19.6	58	14.4	1972
9	77.3	25.2	88.0	31.1	93	33.9	66.6	19.2	58	14.4	1975*
10	76.4	24.7	87.1	30.6	95	35.0	65.8	18.8	51	10.6	1975*
11	75.7	24.3	86.4	30.2	97	36.1	65.1	18.4	46	7.8	1963
12	74.9	23.8	85.8	29.9	97	36.1	63.9	17.7	49	9.4	1963*
13	74.2	23.4	85.7	29.8	95	35.0	62.8	17.1	48	8.9	1962
14	73.7	23.2	85.8	29.9	93	33.9	61.6	16.4	48	8.9	1962
15	72.9	22.7	83.8	28.8	94	34.4	62.0	16.7	50	10.0	1972
16	73.8	23.2	83.9	28.8	94	34.4	63.6	17.6	49	9.4	1972
17	74.3	23.5	84.2	29.0	92	33.3	64.4	18.0	50	10.0	1969
18	73.9	23.3	85.2	29.6	95	35.0	62.6	17.0	50	10.0	1969
19	74.4	23.6	87.2	30.7	93	33.9	61.6	16.4	48	8.9	1970
20	73.7	23.2	85.4	29.7	93	33.9	62.1	16.7	51	10.6	1970
21	73.5	23.1	84.9	29.4	94	34.4	62.1	16.7	51	10.6	1970
22	72.5	22.5	84.1	28.9	91	32.8	60.9	16.1	46	7.8	1970*
23	71.9	22.2	83.7	28.7	92	33.3	60.2	15.7	45	7.2	1961
24	72.0	22.2	84.5	29.2	95	35.0	59.6	15.3	51	10.6	1961
25	71.8	22.1	84.1	28.9	93	33.9	59.5	15.3	44	6.7	1961
26	71.4	21.9	82.8	28.2	90	32.2	60.1	15.6	46	7.8	1961
27	71.5	21.9	81.6	27.6	90	32.2	61.4	16.3	45	7.2	1961
28	69.8	21.0	80.1	26.7	91	32.8	59.4	15.2	45	7.2	1971
29	69.1	20.6	80.5	26.9	90	32.2	57.8	14.3	41	5.0	1961
30	69.0	20.6	80.8	27.1	91	32.8	57.2	14.0	37	2.8	1961
31											
Monthly	74.3	23.5	85.1	29.5	98	36.7	63.4	17.4	37	2.8	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

03866  
STATION

MERIDIAN, MISSISSIPPI  
STATION NAME

1961-1977  
YEARS

OCTOBER  
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		EXTREME		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	68.6	20.3	79.9	26.6	91	32.8	91	32.8	57.3	14.1	39	3.9	1972
2	67.5	19.7	80.5	26.9	91	32.8	91	32.8	54.4	12.4	41	5.0	1972
3	68.0	20.0	81.6	27.6	92	33.3	92	33.3	54.5	12.5	37	2.8	1974
4	66.1	18.9	80.0	26.7	92	33.3	92	33.3	52.2	11.2	37	2.8	1974
5	65.6	18.7	79.2	26.2	90	32.2	90	32.2	52.1	11.2	36	2.2	1968
6	65.8	18.8	77.2	25.1	90	32.2	90	32.2	54.4	12.4	41	5.0	1974*
7	65.6	18.7	76.9	24.9	91	32.8	91	32.8	54.2	12.3	37	2.8	1964
8	67.5	19.7	79.6	26.4	89	31.7	89	31.7	55.4	13.0	37	2.8	1964
9	65.7	18.7	79.1	26.2	90	32.2	90	32.2	52.2	11.2	41	5.0	1976
10	64.1	17.8	78.6	25.9	88	31.1	88	31.1	49.6	9.8	36	2.2	1976
11	65.3	18.5	80.9	27.2	87	30.6	87	30.6	49.7	9.8	33	0.6	1964
12	66.3	19.1	80.3	26.8	94	34.4	94	34.4	52.4	11.3	40	4.4	1977*
13	67.3	19.6	80.7	27.1	92	33.3	92	33.3	53.9	12.2	35	1.7	1977
14	67.8	19.9	80.1	26.7	91	32.8	91	32.8	55.5	13.1	33	0.6	1977
15	65.3	18.5	76.8	24.9	87	30.6	87	30.6	53.8	12.1	37	2.8	1977
16	64.3	17.9	76.8	24.9	88	31.1	88	31.1	51.9	11.1	37	2.8	1961
17	62.4	16.9	74.8	23.8	89	31.7	89	31.7	49.9	9.9	32	0.0	1977
18	61.7	16.5	75.9	24.4	87	30.6	87	30.6	47.6	8.7	37	2.8	1969
19	59.1	15.1	73.0	22.8	87	30.6	87	30.6	45.2	7.3	37	2.8	1967
20	58.4	14.7	72.6	22.6	87	30.6	87	30.6	44.1	6.7	34	1.1	1964
21	60.0	15.6	75.1	23.9	90	32.2	90	32.2	44.9	7.2	31	-0.6	1976
22	60.9	16.1	77.1	25.1	91	32.8	91	32.8	44.6	7.0	31	-0.6	1976
23	62.4	16.9	77.2	25.1	85	29.4	85	29.4	47.6	8.7	38	3.3	1961
24	61.2	16.2	73.2	22.9	81	27.2	81	27.2	49.1	9.5	33	0.6	1965
25	59.4	15.2	72.2	22.3	81	27.2	81	27.2	46.6	8.1	27	-2.8	1965
26	58.0	14.4	72.5	22.5	86	30.0	86	30.0	43.5	6.4	28	-2.2	1965
27	60.2	15.7	75.1	23.9	85	29.4	85	29.4	45.4	7.4	28	-2.2	1961
28	59.0	15.0	72.1	22.3	86	30.0	86	30.0	45.8	7.7	31	-0.6	1965
29	58.9	14.9	72.0	22.2	85	29.4	85	29.4	45.8	7.7	29	-1.7	1968
30	61.6	16.4	75.5	24.2	66	30.0	66	30.0	47.8	8.8	30	-1.1	1963
31	61.6	16.4	74.8	23.8	87	30.6	87	30.6	48.5	9.2	35	1.7	1965
Monthly	63.4	17.4	76.8	24.9	94	34.4	94	34.4	50.0	10.0	27	-2.8	1965

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866

HERIDIAN, MISSISSIPPI

1961-1977

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	60.1	15.6	72.9	22.7	86	30.0	1961	47.4	8.6	32	0.0	1962
2	58.6	14.8	71.5	21.9	85	29.4	1961	45.6	7.6	25	-3.9	1966
3	56.2	13.4	70.2	21.2	81	27.2	1974*	42.1	5.6	22	-5.6	1966
4	54.9	12.7	66.4	19.1	82	27.8	1973	43.4	6.3	24	-4.4	1966
5	54.5	12.5	66.0	18.9	80	26.7	1975*	42.9	6.1	27	-2.8	1976
6	55.6	13.1	68.9	20.5	79	26.1	1963	42.4	5.8	24	-4.4	1976
7	56.0	13.3	68.8	20.4	81	27.2	1969	43.3	6.3	31	-0.6	1967
8	55.4	13.0	68.5	20.3	79	26.1	1975*	42.2	5.7	25	-3.9	1971
9	54.3	12.4	66.6	19.2	81	27.2	1966	42.0	5.6	23	-5.0	1976
10	54.2	12.3	68.1	20.1	77	25.0	1966	40.3	4.6	28	-2.2	1971*
11	54.3	12.4	68.5	20.3	83	28.3	1969	40.1	4.5	25	-3.9	1971
12	53.9	12.2	66.3	19.1	82	27.8	1964	41.5	5.3	29	-1.7	1968
13	53.4	11.9	66.4	19.1	84	28.9	1964	40.4	4.7	27	-2.8	1968
14	52.4	11.3	64.5	18.1	79	26.1	1973*	40.4	4.7	23	-5.0	1969
15	52.4	11.3	65.4	18.6	83	28.3	1964	39.4	4.1	20	-6.7	1969
16	53.9	12.2	68.3	20.2	82	27.8	1964	39.6	4.2	27	-2.8	1969
17	54.1	12.3	67.0	19.4	81	27.2	1971*	41.1	5.1	25	-3.9	1970
18	54.8	12.7	69.1	20.6	84	28.9	1971	40.5	4.7	29	-1.7	1976*
19	54.4	12.4	66.0	18.9	79	26.1	1963	42.7	5.9	30	-1.1	1969*
20	52.7	11.5	63.8	17.7	79	26.1	1973	41.6	5.3	25	-3.9	1969
21	53.1	11.7	65.3	18.5	80	26.7	1965*	41.0	5.0	27	-2.8	1968
22	50.5	10.3	63.6	17.6	82	27.8	1967	37.4	3.0	23	-5.0	1964
23	49.5	9.7	61.8	16.6	74	23.3	1974*	37.2	2.9	21	-6.1	1976
24	51.2	10.7	62.7	17.1	80	26.7	1973*	39.6	4.2	17	-8.3	1970
25	51.5	10.8	64.9	18.3	86	30.0	1965	38.1	3.4	18	-7.8	1970
26	53.6	12.0	66.1	18.9	85	29.4	1965	41.2	5.1	27	-2.8	1975
27	54.0	12.2	66.6	19.2	80	26.7	1973	41.4	5.2	25	-3.9	1974
28	49.5	9.7	60.5	15.8	73	22.8	1970*	38.5	3.6	26	-3.3	1974
29	47.6	8.7	59.4	15.2	76	24.4	1977	35.8	2.1	22	-5.6	1976
30	47.1	8.4	60.4	15.8	76	24.4	1975	33.9	1.1	17	-8.3	1976
31												
Monthly	53.5	11.9	66.1	18.9	86	30.0	1965*	40.8	4.9	17	-8.3	1976*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

03866

STATION

1961-1977

DECEMBER

STATION NAME

MERIDIAN, MISSISSIPPI

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	46.4	8.0	60.7	15.9	78	25.6	78	25.6	1970	1970	32.2	0.1	19	-7.2	19	-7.2	1964	1964
2	49.4	9.7	63.1	17.3	80	26.7	80	26.7	1970	1970	35.6	2.0	24	-4.4	24	-4.4	1976	1976
3	50.1	10.1	63.0	17.2	76	24.4	76	24.4	1973*	1973*	37.2	2.9	23	-5.0	23	-5.0	1976	1976
4	51.5	10.8	63.7	17.6	76	24.4	76	24.4	1961	1961	39.2	4.0	21	-6.1	21	-6.1	1974	1974
5	49.4	9.7	62.3	16.8	76	24.4	76	24.4	1970	1970	36.4	2.4	22	-5.6	22	-5.6	1974	1974
6	47.3	8.6	58.6	14.8	72	22.2	72	22.2	1973	1973	36.3	2.4	24	-4.4	24	-4.4	1962	1962
7	47.7	8.7	58.7	14.8	76	24.4	76	24.4	1966	1966	36.6	2.6	20	-6.7	20	-6.7	1977	1977
8	47.4	8.6	57.6	14.2	78	25.6	78	25.6	1966	1966	37.1	2.8	20	-6.7	20	-6.7	1965	1965
9	49.0	9.4	61.4	16.3	79	26.1	79	26.1	1972	1972	36.6	2.6	22	-5.6	22	-5.6	1976*	1976*
10	47.3	8.5	59.1	15.1	79	26.1	79	26.1	1970	1970	35.5	1.9	20	-6.7	20	-6.7	1977*	1977*
11	48.7	9.3	59.1	15.1	77	25.0	77	25.0	1970	1970	38.4	3.6	17	-8.3	17	-8.3	1962	1962
12	49.0	9.4	60.3	15.7	80	26.7	80	26.7	1971	1971	37.6	3.1	6	-14.4	6	-14.4	1962	1962
13	46.2	7.9	57.3	14.1	73	22.8	73	22.8	1973	1973	35.1	1.7	2	-16.7	2	-16.7	1962	1962
14	46.6	8.1	57.4	14.1	76	24.4	76	24.4	1971	1971	35.8	2.1	23	-5.0	23	-5.0	1963	1963
15	47.2	8.4	57.9	14.4	78	25.6	78	25.6	1971	1971	36.6	2.6	19	-7.2	19	-7.2	1963	1963
16	46.8	8.2	57.9	14.4	80	26.7	80	26.7	1971	1971	35.7	2.1	20	-6.7	20	-6.7	1968	1968
17	46.0	7.8	58.2	14.6	72	22.2	72	22.2	1964	1964	33.8	1.0	16	-8.9	16	-8.9	1963	1963
18	45.7	7.6	59.1	15.1	74	23.3	74	23.3	1976*	1976*	32.3	0.2	18	-7.8	18	-7.8	1975	1975
19	47.6	8.8	60.5	15.8	75	23.9	75	23.9	1967	1967	35.1	1.7	15	-9.4	15	-9.4	1973*	1973*
20	49.9	9.9	60.2	15.7	79	26.1	79	26.1	1971	1971	39.6	4.2	23	-5.0	23	-5.0	1963	1963
21	46.5	8.1	56.5	13.6	80	26.7	80	26.7	1971*	1971*	36.4	2.4	17	-8.3	17	-8.3	1976	1976
22	45.7	7.6	57.5	14.2	80	26.7	80	26.7	1970	1970	33.9	1.1	15	-9.4	15	-9.4	1976	1976
23	45.7	7.6	56.6	13.7	76	24.4	76	24.4	1970*	1970*	34.9	1.6	19	-7.2	19	-7.2	1963	1963
24	45.5	7.5	55.8	13.2	80	26.7	80	26.7	1964	1964	35.2	1.8	12	-11.1	12	-11.1	1963	1963
25	46.1	7.8	57.3	14.1	80	26.7	80	26.7	1964	1964	34.9	1.6	14	-10.0	14	-10.0	1966	1966
26	43.4	6.3	54.4	12.4	70	21.1	70	21.1	1971	1971	32.5	0.3	18	-7.8	18	-7.8	1977	1977
27	45.4	7.4	56.4	13.6	76	24.4	76	24.4	1971	1971	34.4	1.3	22	-5.6	22	-5.6	1970	1970
28	45.8	7.7	57.2	14.0	72	22.2	72	22.2	1971	1971	34.5	1.4	25	-3.9	25	-3.9	1977*	1977*
29	47.9	8.8	58.9	14.9	76	24.4	76	24.4	1973	1973	36.9	2.7	20	-6.7	20	-6.7	1961	1961
30	50.1	10.1	60.1	15.6	79	26.1	79	26.1	1971	1971	40.2	4.6	22	-5.6	22	-5.6	1961	1961
31	47.4	8.6	55.7	13.2	75	23.9	75	23.9	1964	1964	39.1	3.9	19	-7.2	19	-7.2	1976	1976
Monthly	47.4	8.6	58.8	14.9	80	26.7	80	26.7	1971*	1971*	36.0	2.2	2	-16.7	2	-16.7	1962	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

61-77

03866 MERIDIAN, MISSISSIPPI

STATION NAME

STATION

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	72	85	84	88	96	92	99	97	95	87	86	76	99
62	76	76	87	87	92	100	97	97	98	90	78	75	100
63	70	67	80	86	92	97	93	97	92	83	84	80	97
64	80	78	64	89	92	95	97	95	93	86	86	74	97
65	74	73	85	89	90	94	102	95	94	90	81	78	102
66	75	75	87	89	90	94	94	92	91	91	82	76	94
67	73	67	83	86	87	98	99	97	90	91	80	68	99
68	75	77	78	85	93	102	101	95	95	88	83	73	102
69	80	72	79	89	90	94	97	97	92	91	78	80	97
70	75	73	78	86	85	95	93	97	94	87	81	79	97
71	77	76	80	85	88	90	94	93	90	88	82	76	94
72	73	73	82	82	90	93	94	92	90	89	81	75	94
73	79	75	88	83	90	93	94	95	95	85	81	77	95
74	77	76	79	86	92	91	94	97	90	90	74	74	97
75	70	79	84	85	83	92	97	95	93	89	77	75	100
76	66	81	83	85	96	98	100	95	93	89	77	75	100
77													
MEAN	74.5	75.2	82.6	86.3	90.4	94.9	96.7	95.3	93.2	88.5	81.1	75.6	97.6
S. D.	3.830	4.398	3.286	2.143	3.483	3.296	2.987	1.813	2.506	3.023	3.140	3.463	2.694
TOTAL OBS.	496	452	496	480	496	480	465	496	510	527	510	527	5935

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5723 Extreme Values Jan 1969



**MAXIMUM TEMPERATURE**  
(FROM DAILY OBSERVATIONS)

**MERIDIAN, MISSISSIPPI**

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

# EXTREME VALUES

## MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

03866

STATION NAME

61-77

STATION NAME

YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	1	20	22	28	44	60	63	58	49	28	22	20	1
62	2	13	31	40	40	54	58	58	42	32	27	2	2
63	11	14	27	31	47	52	60	62	50	30	22	12	11
64	13	19	21	36	42	53	60	59	44	27	24	20	13
65	7	20	23	35	44	45	63	56	52	34	22	14	7
66	19	18	27	38	40	58	52	54	37	37	29	22	18
67	19	17	20	36	44	53	62	52	48	29	27	20	17
68	15	27	24	36	42	51	66	60	49	37	20	25	15
69	7	10	29	35	46	55	63	63	51	40	17	22	9
70	12	17	26	31	44	46	54	64	47	36	29	19	11
71	20	22	32	29	40	62	65	61	49	35	30	19	19
72	28	20	30	33	47	55	61	62	50	36	25	20	20
73	20	22	25	30	36	59	62	66	45	38	26	15	15
74	14	20	32	32	36	53	60	56	45	31	17	15	14
75	4	13	29	35	45	45	66	64	58	32	28	18	4
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	12.7	17.7	26.1	33.4	43.4	53.6	61.1	60.0	48.4	39.6	24.2	18.1	11.7
S. D.	7.418	4.658	4.266	3.519	4.604	5.110	4.026	4.099	5.291	3.743	3.993	5.448	6.076
TOTAL OBS.	496	452	496	480	496	480	465	496	510	527	510	527	5935



MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
02866	MERIDIAN, MISSISSIPPI

61-77

**YEARS**

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

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# PSYCHROMETRIC SUMMARY

03866

MERIDIAN, MISSISSIPPI

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
78/ 77										.1	.1							1	1						
76/ 75																		8	8						
74/ 73																		10	10						
72/ 71																		12	12						
70/ 69											.1							23	23	4					
68/ 67	.1	.5	1.2	.8	.1	.2	.2	.1	.1	.1	.1							33	33	11	3				
66/ 65	.2	1.0	.6	.1	.3	.2	.2	.2	.1	.1	.2							35	35	29	20				
64/ 63	.2	1.6	.9	.4	.2	.2	.2	.4	.3	.2								54	54	40	24				
62/ 61	.4	1.3	.5	.2	.2	.3	.3	.2	.2	.2								38	38	37	47				
60/ 59	.2	.8	.7	.2	.5	.2	.2	.4	.2	.2								40	40	35	32				
58/ 57	.3	.9	.9	.5	.5	.3	.2	.2	.2	.2								50	50	39	31				
56/ 55	.4	.4	.7	.1	.6	.3	.3	.1	.1									37	37	33	22				
54/ 53	.2	1.1	.5	.5	.5	.3	.3	.3	.3									47	47	32	25				
52/ 51	.3	1.2	.6	.7	.6	.3	.3	.3										51	51	51	35				
50/ 49	.2	1.4	1.0	.4	.2	.6	.5											53	53	43	40				
48/ 47	.2	1.5	.7	.6	.4	.6	.2											53	53	58	30				
46/ 45	.1	1.3	1.2	.8	.4	.4	.1											66	66	62	44				
44/ 43	.6	1.8	1.4	.9	.2	.4												52	52	67	46				
42/ 41	.4	1.8	1.0	.4	.4	.2												65	65	81	55				
40/ 39	.4	2.3	1.7	.6	.2	.2												64	64	72	63				
38/ 37	.5	2.0	1.3	.7	.6	.1												63	63	55	69				
36/ 35	.2	2.6	1.2	.6	.5	.1												56	56	72	57				
34/ 33	.2	1.5	1.9	.7	.2													71	71	57	63				
32/ 31	.4	3.2	1.2	.8	.1													36	36	74	56				
30/ 29	.2	1.4	1.0	.2	.1													48	48	59	54				
28/ 27	.2	2.0	.9	.7														42	42	47	57				
26/ 25	.6	1.2	1.0	.6														23	23	38	65				
24/ 23	.2	1.0	.6															21	21	31	49				
22/ 21		1.3	.3	.1														12	12	30	35				
20/ 19	.2	.5	.2															6	6	7	41				
18/ 17	.1	.2	.2															7	7	9	28				
16/ 15		.5	.1															4	4	6	24				
14/ 13	.1	.2																1	1	4	27				
12/ 11		.1																							
Element (X)	$\Sigma X^2$																	$\Sigma X$		Mean No. of Hours with Temperature				Total	
Rel. Hum.																				≤ 0 F				≥ 80 F	
Dry Bulb																				≤ 32 F				≥ 73 F	
Wet Bulb																									
Dew Point																									

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# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

FEB

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	
82/ 81							.2	.1			.1	.1	.1					1	1	
78/ 77											.2	.2						6	6	
76/ 75			.1	.2	.2	.1	.2	.1	.1	.3	.1							6	6	
74/ 73					.3	.4	.2	.2	.1	.3	.2							17	17	
72/ 71		.1	.4	.6	.3	.4	.2	.2	.1	.3	.1							19	19	
70/ 69		.4	.9	.9	.2	.3	.1	.1	.2	.4	.2							30	30	
68/ 67	.2	.7	.4	.3	.3	.3	.1	.5	.2	.5	.2							41	41	
66/ 65	.7	.8	.3	.4	.2	.2	.3	.4	.5	.3								35	35	
64/ 63	.4	1.0	.4	.8	.6	.1	.2	1.3	.4									47	47	
62/ 61	.4	2.2	.4	.7	.6	.5	.7	.7	.4									59	59	
60/ 59	.4	1.2	.9	.6	.5	.7	.7	.4	.4									64	64	
58/ 57	.4	1.2	.9	.6	.5	.7	.7	.4	.4									66	66	
56/ 55	.2	1.1	.6	.5	.4	.7	.4	.2										46	46	
54/ 53	.4	1.0	.6	.4	.7	.9	.5	.3										54	54	
52/ 51	.7	1.5	.8	.6	.7	1.0	.6	.2										61	61	
50/ 49	.5	1.2	1.2	.3	.4	.4	.3											47	47	
48/ 47	.1	1.7	1.4	.9	.6	.3	.1											66	66	
46/ 45	.4	1.0	.8	1.4	.5	.3												57	57	
44/ 43	.1	1.2	.9	.5	.5	.4												50	50	
42/ 41	.2	1.2	1.0	.7	.5	.1												42	42	
40/ 39	.7	1.9	.9	.8	.1													42	42	
38/ 37	.2	1.4	1.8	.4	.1													49	49	
36/ 35	.2	1.6	.6	.5														44	44	
34/ 33	.4	2.0	1.7	.4														33	33	
32/ 31	.4	1.5	1.5	.4														50	50	
30/ 29	.4	1.1	.6	.2														38	38	
28/ 27	.3	.5	.2															26	26	
26/ 25	.2	.6																11	11	
24/ 23	.2	.6																9	9	
22/ 21	.2	.6																9	9	
20/ 19		.1																1	1	
18/ 17		.2																2	2	
16/ 15																				
14/ 13																		1	1	
12/ 11																				
10/ 9																				
8/ 7																				
6/ 5																				
4/ 3																				
2/ 1																				
0/ 0																				
Element (X)	Mean No. of Hours with Temperature																	Total		
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				



## PSYCHROMETRIC SUMMARY

03866	STATION
-------	---------

STATION NAME
MERIDIAN, MISSISSIPPI

73-77

YEARS

MONTH	1963
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

MARK

MONTH

PAGE 1

HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87												.1	.1					2	2		
84/ 83																		3	3		
82/ 81											.1	.2						9	9		
80/ 79													.1					20	20		
78/ 77													.2					32	32		
76/ 75													.1					45	45		
74/ 73	.1	.5	.6	.6	.4	.4	.5	.7	.3	.1	.3	.2						50	50	9	2
72/ 71	.3	.8	.6	.5	.6	.5	.5	.3	.6	.1	.5	.1						60	60	32	13
70/ 69	.3	1.5	1.0	.9	.2	.2	.2	.2	.5	.8	.2	.1						74	74	53	30
68/ 67	.6	1.5	.9	.6	.3	.2	.6	.3	.6	.3	.6							75	75	54	49
66/ 65	.8	1.5	1.0	.2	.2	.4	.5	.3	.3	.2	.1							70	70	68	58
64/ 63	1.9	2.0	1.1	.3	.4	.6	.3	.6	.6	.1								99	99	87	68
62/ 61	.5	2.3	.2	.6	1.0	.4	.6	.5	.5									82	82	85	55
60/ 59	.8	2.0	.6	.9	.9	.4	.5	.4	.4									81	81	67	75
58/ 57	.2	.8	.8	.9	.4	.3	.2	.6										53	53	59	53
56/ 55	.2	3.1	.9	.7	.4	.4	.5	.1										78	78	64	50
54/ 53	.2	2.0	1.0	1.4	.6	.4	.6	.2										71	71	116	49
52/ 51	.2	1.0	1.0	.6	.5	.4	.3	.2										48	48	76	65
50/ 49	.2	.9	1.0	.5	.2	.3	.1	.4										37	37	69	60
48/ 47	.2	1.2	.6	.2	.3	.1	.2	.5										31	31	76	66
46/ 45	.4	1.7	.6	.2	.2	.2	.2	.2										40	40	64	57
44/ 43	.2	1.3	.6	.4	.1	.3	.1	.1										32	32	52	53
42/ 41	.2	1.0	.5	.2	.3	.3	.2	.2										29	29	43	66
40/ 39	.2	1.7	.6	.5	.5	.3	.1	.1										36	36	37	55
38/ 37	.2	1.5	.2	.1	.1	.1	.2	.2										24	24	36	44
36/ 35	.2	1.0	.4	.2	.2	.2	.2	.2										22	22	29	63
34/ 33	.5	.9	.1															18	18	27	53
32/ 31	.2	.6	.2															13	13	21	49
30/ 29	.1	.2																4	4	12	38
28/ 27		.1																1	1	2	27
26/ 25		.1																1	1	1	22
24/ 23																				1	11
22/ 21																					6
20/ 19																					3
Element (X)																	Mean No. of Hours with Temperature				Total
Rel. Hum.																	≤ 0 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					





# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

APR

MONTH

PAGE 1

HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb				
86/ 85						.2		.1	.1		.1	.2	.2					3	3					
84/ 83				.1		.1		.3	.1	.4	.2	.2	.1					8	8					
82/ 81			.2	.1	.2	.2	.6	.2	.8	.5	.6	.1						24	24					
80/ 79				.1	.2	.4	.6	.2	.5	.3	.4	.2						43	43					
78/ 77			.2	.3	.7	.4	1.5	.5	1.0	.8	.3							69	69	4				
76/ 75		.2	.3	.4	.5	.4	1.0	.6	.3	.4	.2							53	53	4				
74/ 73	.1	.2	1.1	.5	.4	.3	.3	.2	.3	.5	.1							49	49	10				
72/ 71	.5	.7	.9	1.1	.7	.4	.7	.3	1.2	.5	.1							86	86	35				
70/ 69	1.0	.5	.7	.4	.7	.6	.2	.5	.7	.3								66	66	53				
68/ 67	.7	1.1	1.2	.7	.4	.3	.6	.7	.5	.2								77	77	58				
66/ 65	1.1	1.2	1.8	.4	.5	.2	.2	.4	.2	.2								77	77	77				
64/ 63	1.1	1.7	.6	.5	.4	.4	.6	.7	.2	.1								76	76	99				
62/ 61	1.8	1.2	.5	.6	.7	.9	.4	.2	.3									81	81	117				
60/ 59	1.4	.8	.9	.5	.5	.4	.3	.2	.1									62	62	87				
58/ 57	.7	1.2	1.6	.2	.5	.6	.4	.2										64	64	62				
56/ 55	.5	1.2	1.7	.6	.2	.2	.1	.1										54	54	94				
54/ 53	.4	1.4	1.2	.5	.2	.3	.2											51	51	76				
52/ 51	.5	2.1	1.2	.5	.2	.2	.1											58	58	92				
50/ 49	.3	1.4	.9	.1	.3	.1												38	38	69				
48/ 47	.2	1.0	.4		.1	.1												22	22	59				
46/ 45	.2	1.2	.6	.2														26	26	47				
44/ 43	.6	1.2	.4	.1														27	27	38				
42/ 41	.6	1.3	.2		.1													26	26	35				
40/ 39	.6	1.3	.6	.1														31	31	32				
38/ 37	.2	.7	.1															11	11	23				
36/ 35	.2	.3	.1															8	8	13				
34/ 33	.2	.2																4	4	8				
32/ 31	.2	.1																3	3	5				
30/ 29	.1	.2																3	3	2				
28/ 27																				1				
26/ 25																				9				
24/ 23																				7				
22/ 21																				4				
																				2				
Element (X)	ΣX <sup>2</sup>																	ΣX		ΣX		Mean No. of Hours with Temperature		Total
Rel. Hum.																						Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

MAY

MONTH

PAGE 1

HOURS (L.S.T.)

95 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93										.1								1	1		
92/ 91									.1	.3	.2							13	13		
90/ 89									.6	.2	.1							26	28		
88/ 87									.3	.2	.2	.1						40	40		
86/ 85				.1	.4	.6	.8	.7	.4	.1								48	48		
84/ 83				.1	.2	.9	.8	.9	.7	.3	.1							69	69		
82/ 81			.1	.2	.6	1.5	1.3	1.0	.5	.1								71	71		
80/ 79			.2	.7	1.0	.8	1.1	.6	.2	.2	.2							68	68	2	
78/ 77	.1	.4	1.5	1.1	.9	.6	.4	.3	.3	.4	.1							77	77	37	4
76/ 75	.3	1.3	1.2	1.2	.6	.6	.3	.2	.5	.5								84	84	89	16
74/ 73	.6	1.9	1.5	.9	.6	.3	.6	.5	.2	.2								92	92	117	70
72/ 71	1.1	3.0	2.0	.3	.6	.2	.2	.3	.2									98	98	135	99
70/ 69	2.8	2.1	1.6	.9	.3	.1	.3	.2	.1									105	105	172	140
68/ 67	2.5	3.2	1.7	.1	.3	.2	.2	.1										102	102	137	152
66/ 65	1.6	3.7	1.0	.5	.1	.1												85	85	120	127
64/ 63	1.2	3.0	.8	.1	.1													62	62	108	136
62/ 61	.7	1.9	1.3	.2	.1													52	52	75	102
60/ 59	1.3	1.7	.3	.2	.1	.1												43	43	82	98
58/ 57	.8	.6	.8	.1														29	29	56	65
56/ 55	.3	.6	.2	.2														15	15	32	47
54/ 53	.2	.5	.4															13	13	19	36
52/ 51	.5	.2	.3	.1														13	13	21	35
50/ 49	.4	.3																9	9	8	22
48/ 47	.2	.3	.1	.1														9	9	14	35
46/ 45	.4	.3																7	7	8	17
44/ 43	.3	.2																2	2	6	20
42/ 41	.2																	1	1	1	11
40/ 39	.1																	1	1	1	5
38/ 37	.1																	1	1	1	3
36/ 35																					
TOTAL	15.4	24.8	15.5	7.7	7.3	6.5	7.3	6.5	4.8	3.0	1.0	.1						1240	1240	1240	1240

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# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

YEARS  
73-77

JUN

STATION

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	
98/ 97																		2	2	
96/ 95																		6	6	
94/ 93																		14	14	
92/ 91																		25	25	
90/ 89																		46	46	
88/ 87																		70	70	
86/ 85																		68	68	
84/ 83																		85	85	
82/ 81																		88	88	
80/ 79																		93	93	3
78/ 77																		77	77	53
76/ 75																		100	100	174
74/ 73																		103	103	24
72/ 71																		111	111	90
70/ 69																		99	99	188
68/ 67																		62	62	209
66/ 65																		51	51	145
64/ 63																		37	37	102
62/ 61																		25	25	68
60/ 59																		23	23	42
58/ 57																		5	5	20
56/ 55																		5	5	46
54/ 53																		2	2	9
52/ 51																		2	2	28
50/ 49																		2	2	20
48/ 47																		1	1	7
46/ 45																		1	1	8
44/ 43																		1	1	2
42/ 41																				2
TOTAL	7.720	.020	.710	.8	9.4	6.3	6.8	7.8	4.6	3.6	1.3	.7	.1					1200	1200	1200

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7086434	89628	74.7	18.084	1200	≥ 73 F	≥ 67 F	≥ 32 F	≥ 80 F	≥ 93 F	720.0	
Dry Bulb	7073612	91568	76.3	8.487	1200	629.4	466.2	270.6	13.2		720.0	
Wet Bulb	5882531	83791	69.8	5.146	1200	561.0	250.8				720.0	
Dew Point	5363083	79941	66.6	5.000	1200	434.4	118.8				720.0	

Mean No. of Hours with Temperature

No. Obs.

$\sigma_x$

$\bar{x}$

$\Sigma x$

$\Sigma x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	629.4	460.2	270.6	13.2	720.0
Dry Bulb	561.0	250.8			720.0
Wet Bulb	434.4	118.8			720.0
Dew Point					

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# PSYCHROMETRIC SUMMARY

03866

STATION MERIDIAN, MISSISSIPPI

73-77

STATION NAME

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PAGE 1

HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point	
98/ 97									.1	.4	.2	.2	.1					4	4		
96/ 95									.2	.6	.2							11	11		
94/ 93								.2	.8	.6	.2							19	19		
92/ 91						.1	.7	.8	1.0	.6	.1							41	41		
90/ 89						.8	1.9	2.3	.7	.4	.1							73	73		
88/ 87				.1	.3	2.9	2.3	.7	.4	.2	.1							88	88		
86/ 85				.3	1.9	1.6	1.0	.6	.6	.1								76	76		
84/ 83			.9	1.6	2.7	1.1	.6	.1	.2	.1								90	90		
82/ 81		.2	1.2	3.5	.8	.6	.2	.1										81	81	5	
80/ 79		.8	2.2	1.8	1.0	.2	.1											75	75	3	
78/ 77	.4	2.3	4.0	1.0	.6													103	103	187	
76/ 75	1.0	6.0	3.7	1.4	.2	.1												152	152	262	
74/ 73	2.3	9.1	2.6	.6														181	181	246	
72/ 71	2.3	5.4	2.1	.2														124	124	226	
70/ 69	.5	3.3	1.4	.1														67	67	128	
68/ 67		1.4	.6															25	25	70	
66/ 65	.1	.9	.2															14	14	31	
64/ 63	.1	1.0																13	13	15	
62/ 61		.2																2	2	10	
60/ 59		.1																1	1	3	
58/ 57																				5	
56/ 55																				1	
TOTAL	6.630	618.810	.6	7.5	7.5	6.9	4.6	3.6	2.1	.9	.2	.1						1240	1240	1240	

Element (X)	ΣX <sup>2</sup>	ΣX	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	8046597	97837	78.9	16.250	1240	≥73 F	≥67 F	≥60 F	≥53 F	≥46 F	20.4
Dry Bulb	7758633	97671	78.8	7.264	1240	726.0	596.4	310.8			744.0
Wet Bulb	6675410	90864	73.3	3.718	1240	708.6	454.2	10.2			744.0
Dew Point	6244868	87878	70.9	3.705	1240	650.4	358.2	1.8			744.0

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# PSYCHROMETRIC SUMMARY

03866 MERIDIAN, MISSISSIPPI STATION NAME 73-77 YEARS AUG NORTH  
 5115 PSYCHROMETRIC SUMMARY JAN 68  
 PAGE 1  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
96/ 95										.1	.1							2	2	
94/ 93									.1	.1	.1							8	8	
92/ 91									.2	.2	.2	.2						20	20	
90/ 89					.1	.4	2.2	1.9	.6	.3	.2							69	69	
88/ 87					.1	1.9	2.0	1.0	.7	.2								73	73	
86/ 85				.2	2.1	2.1	2.1	.4	.6	.2	.1							97	97	
84/ 83		.1	.4	1.5	2.6	.9	.4	.6	.2									84	84	5
82/ 81		.5	.9	1.5	1.5	.6	.5	.4	.3	.1								78	78	39
80/ 79	.1	.9	2.2	1.9	1.0	.4	.5	.2										88	88	180
78/ 77	.2	1.9	3.0	1.4	.3	.1	.1	.1										86	86	34
76/ 75	1.2	4.1	3.0	.8	.2													115	115	105
74/ 73	3.5	7.5	2.5	.6		.1	.1											177	177	231
72/ 71	2.8	5.8	1.5	.4	.1	.2												134	134	224
70/ 69	1.9	3.5	1.5	.2	.2													90	90	145
68/ 67	.7	1.9	.8	.1														44	44	121
66/ 65	.2	2.0	.2	.2														33	33	52
64/ 63		1.5	.3	.1														23	23	37
62/ 61	.1	.9	.2															14	14	22
60/ 59		.2																2	2	13
58/ 57		.2																3	3	4
56/ 55																				3
54/ 53																				3
TOTAL	10.730	916.5	8.9	8.1	6.5	8.1	5.1	3.4	1.1	.4	.2							1240	1240	1240
Element (X)	ΣX <sup>2</sup>	ΣX	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature										Total				
Ref. Num.	8277793	99219	80.0	16.535	1240															744.0
Dry Bulb	7494790	95968	77.4	7.380	1240															744.0
Wet Bulb	6500402	89614	72.3	4.406	1240															744.0
Dew Point	6093792	86738	70.0	4.622	1240															744.0

# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
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PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94/ 93									.2	.1	.1							4	4			
92/ 91									.4	.2	.1							8	8			
90/ 89									.2	.2	.2							11	11			
88/ 87					.1	.5	1.2	.3	.4									31	31			
86/ 85				.2	.6	1.6	.6	.7	.2		.1							46	46			
84/ 83			.2	.2	1.4	1.2	.4	.6	.3									52	52			
82/ 81	.2	.2	1.1	1.4	1.2	1.2	.3	.5	.2	.1								75	75	1		
80/ 79	.2	.3	1.3	2.1	.7	.6	.4	.2	.2	.1								73	73	12	5	
78/ 77	.4	1.6	1.7	1.6	1.7	.1	.1	.1	.4	.2								92	92	57	18	
76/ 75	1.2	2.7	3.7	1.3	.6	.2	.2	.1	.2	.1								120	120	139	55	
74/ 73	.6	4.0	3.5	.8	.8	.3	.6	.3	.1									133	133	142	104	
72/ 71	.3	5.3	3.2	.3	.2	.2	.6	.1										123	123	173	150	
70/ 69	.4	3.9	2.7	.2	.2	.1	.3											94	94	143	175	
68/ 67	.2	3.8	1.7	.1	.6	.3												80	80	129	147	
66/ 65		2.2	1.0	.7	.3	.1												52	52	79	119	
64/ 63	.4	2.5	.7	.7	.4	.1												58	58	56	83	
62/ 61	.2	2.2	.6	.5	.1													42	42	67	60	
60/ 59		1.8	.9	.2														35	35	64	49	
58/ 57		.6	1.2	.2														24	24	52	44	
56/ 55		.4	.7	.1														15	15	23	44	
54/ 53		.2	.5															8	8	25	38	
52/ 51		.3	.2															7	7	12	47	
50/ 49		.6	.2															9	9	6	20	
48/ 47		.2	.1															4	4	12	18	
46/ 45		.3																4	4	3	12	
44/ 43																				5	6	
42/ 41																					4	
40/ 39																					2	
TOTAL	3.833	225.2	210.6	8.9	6.7	4.6	3.1	2.7	.8	.2								1200	1200	1200	1200	

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7832972	95290	79.4	14.898	1200	≥ 73 F	≥ 80 F	≥ 93 F				720.0
Dry Bulb	6434688	87264	72.7	8.608	1200	565.2	387.0	157.8				720.0
Wet Bulb	5995939	81507	67.9	7.061	1200	477.6	210.6	2.4				720.0
Dew Point	5195098	78414	65.3	7.702	1200	392.4	150.0	3.0				720.0

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	7632972	95290	79.4	14.898	1200	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		720.0
Dry Bulb	6434688	87264	72.7	8.608	1200	565.2	387.0	157.8	2.4		720.0
Wet Bulb	5595939	81507	67.9	7.061	1200	477.6	210.6	2.4			720.0
Dew Point	5195098	78414	65.3	7.702	1200	392.4	150.0	3.0			720.0



# PSYCHROMETRIC SUMMARY

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STATION NAME  
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HOURS (L.S.T.)

57 55 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87						.3	.1	.1	.1	.1	.1							2	2		
86/ 85							.1	.1	.1	.1	.1							8	8		
84/ 83							.2	.4	.2	.1	.1							12	12		
82/ 81						.2	.4	.2	.3	.3	.1							31	31		
80/ 79			.1	.1	.3	.2	.6	.7	.6	.3								33	33		
78/ 77		.1	.2	.4	.2	.5	.4	.6	.7	.5								44	44	1	
76/ 75	.1	.1	.6	.2	.3	.3	.2	.3	.6	.5		.1						43	43	13	1
74/ 73	.5	1.2	.3	.2	.3	.2	.2	.4	.3	.5	.1							49	49	20	7
72/ 71	.2	1.1	.8	.6	.6	.2	.1	.3	.5	.6								61	61	27	27
70/ 69	.6	1.5	.9	.6	.2	.5	.3	.5	.5	.2								70	70	54	34
68/ 67	.7	2.0	1.3	.6	.7	.5	.2	.7	.4									89	89	83	56
66/ 65	.6	1.5	1.0	1.0	.5	.2	.1	.2	.1									64	64	74	54
64/ 63	.5	2.3	1.1	1.7	.8	.6	.1	.2	.2									92	92	73	48
62/ 61	.4	1.5	.7	1.3	.6	.3	.1	.3										65	65	86	72
60/ 59	.2	2.3	1.1	.6	.7	.2	.2	.1										67	67	86	63
58/ 57	.1	3.1	2.5	.6	1.0	.1	.3											96	96	92	66
56/ 55		1.9	1.4	.9	.5													57	57	96	80
54/ 53		2.1	1.0	.3	.6	.1												51	51	94	77
52/ 51	.1	1.9	1.5	.6	.3	.2												57	57	74	88
50/ 49		1.8	1.0	.6	.3													45	45	69	80
48/ 47	.1	1.9	1.0	.4														41	41	55	66
46/ 45	.2	2.1	.7	.2														40	40	61	79
44/ 43	.2	1.7	.7	.2														34	34	50	64
42/ 41	.2	1.9	.6	.1														34	34	40	55
40/ 39	.2	1.1	.6															24	24	37	65
38/ 37		1.3	.1															17	17	23	56
36/ 35		.4																5	5	18	34
34/ 33		.2																3	3	5	35
32/ 31		.3																4	4	4	16
30/ 29																				3	8
28/ 27																					9
TOTAL	4.234	620.2	11.7	8.1	4.8	3.5	5.1	4.5	3.1	.3	.1							1240	1240	1240	1240

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	7234483	91797	74.0	18.618	1240	≤0 F	≥67 F	≥73 F	≥80 F	≥93 F	
Dry Bulb	4816902	75904	61.2	11.734	1240		2.4	266.4	134.4	43.8	744.0
Wet Bulb	3990933	69295	55.9	9.780	1240		4.2	120.0	20.4		744.0
Dew Point	3456790	64104	51.7	10.736	1240		19.8	75.0	13.8		744.0

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	7234483	91797	74.0	18.818	1240	≥93 F	≥80 F	≥73 F	≥67 F	≥53 F	≥93 F	Total
Dry Bulb	4816902	75904	61.2	11.734	1240	2.4	266.4	134.4	43.8			744.0
Wet Bulb	3990933	69295	55.9	9.780	1240	4.2	120.0	20.4				744.0
Dew Point	3456790	64104	51.7	10.736	1240	19.8	75.0	13.8				744.0

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# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

NOV

NORTH

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	
82/ 81					.1	.1	.2	.2	.1	.1								2	2
80/ 79				.1	.3	.3	.2	.8	.1	.1								10	10
78/ 77			.1	.2	.5	.2	.3	.6	.1	.2								25	25
76/ 75			.2	.6	.3	.2	.4	.1	.1	.2								26	26
74/ 73		.2	.5	.8	.5	.1	.4	.1	.1	.2	.3							26	26
72/ 71		.5	.8	.5	.1	.4	.1	.1	.2	.2	.3							36	36
70/ 69		1.6	1.1	.3	.3	.2	.1	.1	.2	.2	.2	.2						49	49
68/ 67	.2	1.7	1.3	.3	.2	.1	.2	.2	.3	.5	.3							61	61
66/ 65		1.7	1.2	.6	.3	.2	.2	.2	.4	.2	.1							64	64
64/ 63	.3	1.7	.7	.7	.3	.3	.2	.2	.4	.2	.1							61	61
62/ 61	.5	2.2	.7	.6	.1	.1	.4	.2	.6									63	63
60/ 59	.3	2.1	1.1	.3	.5	.1	.2	.2	.2									59	59
58/ 57	.2	1.0	.6	.2	.4	.3	.2	.2	.1									39	39
56/ 55	.2	1.9	.9	1.0	.6	.2	.2	.2	.1									64	64
54/ 53	.4	1.2	.8	1.2	.7	.2	.4	.1										63	63
52/ 51	.2	1.8	1.3	.4	.2	.4	.3	.2										61	61
50/ 49		1.2	.9	1.2	.3	.2	.2											48	48
48/ 47	.2	1.6	.6	.8	.4	.3	.2											50	50
46/ 45	.5	1.4	.6	.5	.3	.1	.1											42	42
44/ 43		1.5	.6	.5	.4	.2												38	38
42/ 41	.2	1.9	.7	.7	.1	.2												45	45
40/ 39	.1	2.4	1.1	.4	.1	.1												50	50
38/ 37	.2	2.5	1.0	.4	.2													51	51
36/ 35	.5	2.0	.2	.4														38	38
34/ 33	.2	1.6	.3	.3														29	29
32/ 31	.2	1.4	.6															27	27
30/ 29	.6	2.2	.7															42	42
28/ 27	.2	.9	.2															15	15
26/ 25		.6	.1															8	8
24/ 23		.4																5	5
22/ 21		.1																1	1
20/ 19		.1																1	1
18/ 17		.1																1	1
16/ 15																		1	1
Element (X)	ΣX <sup>2</sup>				ΣX		X̄	σ <sub>x</sub>	Mean No. of Hours with Temperature								Total		
Rel. Hum.																	≥ 93 F		
Dry Bulb																	≥ 80 F		
Wet Bulb																	≥ 73 F		
Dew Point																	≥ 67 F		
																	≥ 32 F		
																	≥ 0 F		

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# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

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MONTH

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HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
78/ 77						.1	.1											1	1				
76/ 75			.1	.1	.2	.2	.2											2	2				
74/ 73		.1		.5	.2	.3	.2				.1							7	7				
72/ 71		.2	.3	.2	.4	.1	.1	.1	.1	.2	.1	.1						19	19	2			
70/ 69	.1	.3	.7	.2	.2	.2	.2	.2	.2	.1	.2							20	20	1	3		
68/ 67	.2	.4	.7	.4	.1	.3	.1	.1	.1	.2								19	19	10	3		
66/ 65		.8	.7	.2	.2	.2	.2	.2	.2									30	30	17	7		
64/ 63		1.2	.3	.2	.3	.3	.5	.3	.2	.2								33	33	20	13		
62/ 61		1.3	.9	.6	.3	.3	.5	.3	.3	.2								38	38	29	23		
60/ 59		1.6	.4	.5	.3	.3	.3	.8	.4									56	56	30	24		
58/ 57	.2	1.5	.2	.3	.3	.2	.2	.3	.2	.2								47	47	42	38		
56/ 55	.2	1.6	.4	.5	.3	.3	.3	.8	.4									51	51	38	30		
54/ 53	.2	1.4	.4	.6	.5	.2	.6	.1										49	49	45	38		
52/ 51	.5	1.5	.6	1.1	.5	.6	.5	.2										68	68	53	36		
50/ 49	.6	2.3	1.7	.6	.1	.3	.1											70	70	52	35		
48/ 47	.2	2.4	.8	.7	.7	.5												66	66	70	44		
46/ 45	.1	2.2	1.4	.7	.8	.6	.1											72	72	82	49		
44/ 43	.4	2.5	1.3	.8	.7	.2	.1											75	75	81	59		
42/ 41	.5	1.1	1.9	1.2	.5	.2												67	67	74	62		
40/ 39	.3	1.9	1.0	1.0	.6	.1												61	61	77	53		
38/ 37	.2	1.2	1.1	.6	.7													48	48	64	63		
36/ 35	.2	1.5	2.2	.2	.2													53	53	68	54		
34/ 33	.7	1.5	1.0	.7	.1													51	51	64	60		
32/ 31	.6	2.5	1.0	.3	.1													56	56	65	62		
30/ 29	.6	2.4	.6	.3														49	49	62	56		
28/ 27	.8	2.0	.9	.2														49	49	64	68		
26/ 25	.6	1.8	.6	.1														39	39	49	87		
24/ 23	.2	.9	.4															18	18	34	68		
22/ 21	.3	.9	.1															16	16	27	47		
20/ 19		.2	.1															3	3	9	43		
18/ 17	.1	.2																3	3	6	38		
16/ 15	.2	.2																4	4	4	25		
14/ 13																				1	16		
12/ 11																					17		
Element (X)	ΣX												ΣX <sup>2</sup>		Mean No. of Hours with Temperature						Total		
Rel. Hum.																		≤ 0 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb																							
Wet Bulb																							
Dew Point																							





# PSYCHROMETRIC SUMMARY

03866

STATION NAME  
MERIDIAN, MISSISSIPPI

73-77

YEARS

ALL

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point					
98/ 97																			6							
96/ 95																			19							
94/ 93																			46							
92/ 91																			95							
90/ 89																			212							
88/ 87																			294							
86/ 85																			338							
84/ 83																			382							
82/ 81																			458							
80/ 79																			508							
78/ 77																			604							
76/ 75																			747							
74/ 73																			886							
72/ 71																			877							
70/ 69																			782							
68/ 67																			711							
66/ 65																			627							
64/ 63																			678							
62/ 61																			571							
60/ 59																			542							
58/ 57																			492							
56/ 55																			436							
54/ 53																			411							
52/ 51																			426							
50/ 49																			360							
48/ 47																			343							
46/ 45																			343							
44/ 43																			329							
42/ 41																			297							
40/ 39																			310							
38/ 37																			265							
36/ 35																			233							
34/ 33																			194							
32/ 31																			224							
Element (X)	ΣX																		ΣX <sup>2</sup>		Mean No. of Hours with Temperature				Total	
Rel. Hum.																					≥ 0 F				≥ 80 F	
Dry Bulb																					≥ 67 F				≥ 93 F	
Wet Bulb																										
Dew Point																										

NAVWEASERVCOM



# PSYCHROMETRIC SUMMARY

03866

MERIDIAN, MISSISSIPPI

73-77

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		D.B./W.B.	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb				
30/ 29	.1	.7	.3	.1	.0													172	172	229	280		
28/ 27	.1	.5	.2	.1														139	139	212	294		
26/ 25	.1	.3	.2	.1														101	101	144	257		
24/ 23	.0	.2	.1															55	55	99	218		
22/ 21	.0	.2	.0	.0														47	47	73	178		
20/ 19	.0	.1	.0															17	17	44	134		
18/ 17	.0	.1	.0															12	12	16	123		
16/ 15	.0	.1	.0															11	11	15	90		
14/ 13	.0	.0																4	4	7	62		
12/ 11		.0																1	1	4	55		
10/ 9		.0																2	2	1	30		
8/ 7																				2	14		
6/ 5																					10		
4/ 3		.0																1	1	1	12		
2/ 1																					11		
0/- 1																					2		
- 2/- 3																					3		
TOTAL	8.231	0.019	5.510	8.8	8.0	6.1	5.5	4.5	3.4	2.0	.7	.2	.0					14608	14608	14608	14608		
																		14608					

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03866 MERIDIAN, MISSISSIPPI

73-77

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	40.7 13.06 155	44.5 11.76 155	54.2 11.37 155	55.7 9.54 150	63.6 7.05 155	69.9 5.23 150	73.3 3.02 155	72.0 3.25 155	67.9 6.58 150	54.9 9.49 155	48.1 12.89 150	41.0 12.26 155	57.2 14.89 1826
03	39.5 13.73 155	42.4 12.24 155	52.3 11.72 155	52.9 10.22 150	61.3 7.54 155	68.0 5.33 150	71.6 3.20 155	70.1 3.63 155	66.4 6.98 150	53.1 9.99 155	46.4 13.48 150	39.7 12.58 155	55.4 15.08 1826
06	38.8 14.30 155	41.2 13.03 155	50.9 11.81 155	51.7 10.41 150	61.7 7.24 155	68.7 5.29 150	71.7 3.08 155	69.5 3.94 155	65.8 7.38 150	51.6 10.32 155	45.4 14.03 150	38.5 12.75 155	54.7 15.63 1826
09	43.2 12.76 155	48.1 10.35 155	58.8 9.23 155	64.6 7.41 150	72.8 6.13 155	79.5 4.05 150	81.6 3.56 155	79.8 3.54 155	74.8 5.82 150	63.9 7.38 155	54.0 10.78 150	44.5 10.17 155	63.9 15.76 1826
12	51.2 13.02 155	56.9 10.80 155	65.9 9.54 155	70.7 7.71 150	78.2 6.58 155	84.3 5.11 150	87.2 4.24 155	85.9 3.74 155	80.5 6.63 150	71.8 7.84 155	62.2 10.63 150	53.2 10.64 155	70.7 14.95 1826
15	54.1 13.15 155	60.5 10.81 155	68.6 9.63 155	73.2 7.50 150	79.4 6.75 155	85.1 6.01 150	86.4 5.99 155	85.9 4.72 155	80.9 6.43 150	73.3 8.04 155	64.3 10.77 150	55.7 10.56 155	72.3 14.18 1826
18	48.3 12.66 155	55.2 10.46 155	64.5 9.11 155	69.8 7.10 150	76.3 6.00 155	81.9 5.54 150	82.4 5.20 155	81.4 4.45 155	75.5 5.74 150	63.8 8.16 155	55.3 11.46 150	47.7 10.57 155	66.9 15.01 1826
21	43.0 12.65 155	47.1 10.70 155	57.3 10.17 155	59.7 8.33 150	66.8 6.29 155	73.1 4.79 150	75.9 3.19 155	74.5 2.89 155	70.0 6.17 150	57.4 8.73 155	50.2 12.46 150	43.3 11.76 155	59.9 14.60 1826
ALL HOURS	44.8 14.18 1240	49.5 13.11 1240	59.0 12.06 1240	62.3 11.68 1200	70.0 9.74 1240	76.3 8.48 1200	78.8 7.26 1240	77.4 7.38 1240	72.7 8.60 1200	61.2 11.73 1240	53.2 13.79 1200	45.4 12.84 1240	62.6 16.34 14608



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTRY COMPANY, U. S. A.

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

STATION NAME

STATION

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	36.3 12.829 155	41.7 11.670 141	51.3 11.174 155	53.0 9.273 150	61.5 7.059 155	67.2 4.863 150	71.4 3.006 155	70.2 3.567 155	65.7 6.957 150	52.7 9.656 155	49.7 12.689 150	54.9 14.960 1826
03	MEAN S. D. TOTAL OBS	37.4 13.511 155	40.1 12.153 141	50.0 11.712 155	51.0 10.163 150	60.0 7.639 155	65.8 5.207 150	70.0 3.358 155	68.7 4.015 155	64.5 7.363 150	51.0 10.074 155	44.4 13.412 150	53.5 15.207 1826
06	MEAN S. D. TOTAL OBS	36.8 14.145 155	39.2 12.921 141	49.0 11.867 155	50.2 10.465 150	60.6 7.299 155	66.9 4.876 150	70.3 3.327 155	68.3 4.182 155	64.0 7.744 150	49.7 10.474 155	43.6 13.973 150	53.0 15.746 1826
09	MEAN S. D. TOTAL OBS	40.7 12.926 155	44.4 10.511 141	54.3 11.042 155	58.0 8.279 150	66.4 5.838 155	72.1 3.834 150	75.5 2.583 155	74.6 3.422 155	69.9 6.226 150	58.7 8.279 155	50.2 11.180 150	58.9 14.903 1826
12	MEAN S. D. TOTAL OBS	44.8 12.360 155	48.2 9.829 141	56.9 9.291 155	59.8 7.536 150	67.5 5.620 155	72.6 4.265 150	76.3 2.640 155	75.3 3.116 155	71.2 5.820 150	60.9 7.727 155	53.6 10.398 150	61.2 13.532 1826
15	MEAN S. D. TOTAL OBS	46.1 11.911 155	49.9 9.616 141	57.5 8.692 155	60.8 7.346 150	67.7 5.217 155	72.6 3.909 150	75.3 2.744 155	75.0 2.887 155	71.1 5.318 150	61.0 7.229 155	54.1 10.159 150	61.6 12.827 1826
18	MEAN S. D. TOTAL OBS	43.0 12.268 155	47.2 10.018 141	56.0 8.860 155	59.9 7.523 150	67.1 5.442 155	72.0 3.836 150	74.5 2.705 155	74.1 3.042 155	69.9 5.806 150	58.3 8.143 155	50.1 11.462 150	59.7 13.977 1826
21	MEAN S. D. TOTAL OBS	39.8 12.406 155	43.1 10.634 141	53.3 10.007 155	56.0 8.324 150	63.8 6.087 155	69.4 4.348 150	72.9 2.917 155	71.9 3.396 155	67.3 6.489 150	54.8 8.916 155	47.3 12.329 150	56.7 14.654 1826
ALL HOURS	MEAN S. D. TOTAL OBS	40.9 13.174 1266	44.2 11.539 1128	53.5 10.672 1240	56.1 9.515 1200	64.3 7.008 1240	69.8 5.146 1200	73.3 3.718 1240	72.3 4.406 1240	67.9 7.061 1200	55.9 9.780 1240	48.6 12.554 1200	57.4 14.843 14608

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03866 MERIDIAN, MISSISSIPPI

73-77

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	34.5 14.76 155	37.7 13.46 141	48.7 12.29 155	50.8 10.03 150	60.3 7.65 155	65.8 5.14 150	70.4 3.26 155	69.3 4.10 155	64.3 7.59 150	50.7 10.51 155	43.0 13.76 150	35.1 13.49 155	52.6 16.41 1826
03	33.8 15.38 155	36.8 13.68 141	47.8 12.62 155	49.3 10.81 150	59.1 8.05 155	64.6 5.52 150	69.2 3.57 155	68.0 4.36 155	63.2 7.92 150	49.1 10.78 155	42.1 14.51 150	34.4 13.78 155	51.5 16.56 1826
06	33.6 15.92 155	36.0 14.45 141	47.1 12.90 155	48.9 11.14 150	59.9 7.65 155	65.9 5.08 150	69.6 3.61 155	67.7 4.57 155	62.8 8.34 150	47.9 11.27 155	41.2 13.12 150	33.6 13.82 155	51.3 17.07 1826
09	36.8 15.34 155	39.7 12.93 141	50.0 12.85 155	52.5 11.35 150	62.7 7.61 155	68.5 5.25 150	72.9 3.15 155	72.4 4.23 155	67.2 7.51 150	54.5 10.51 155	46.1 13.51 150	37.3 12.30 155	55.1 16.59 1826
12	36.4 16.23 155	38.2 13.81 141	48.9 13.30 155	50.9 11.84 150	61.1 8.34 155	66.9 6.15 150	71.7 3.83 155	70.7 4.42 155	66.5 7.41 150	52.7 11.05 155	45.0 14.88 150	37.6 13.51 155	54.0 16.81 1826
15	35.9 16.49 155	37.9 14.45 141	48.0 13.08 155	51.1 12.09 150	60.9 8.06 155	66.4 6.16 150	70.5 3.87 155	70.0 4.75 155	65.9 7.39 150	51.7 10.61 155	44.0 13.06 150	36.7 14.26 155	53.3 16.88 1826
18	35.7 15.71 155	37.6 13.92 141	48.5 12.73 155	52.0 11.78 150	61.6 8.13 155	67.1 5.80 150	71.1 3.60 155	70.8 4.50 155	67.0 7.04 150	54.3 9.63 155	44.7 14.14 150	37.0 13.67 155	54.0 16.76 1826
21	35.1 14.59 155	38.1 12.79 141	49.7 11.73 155	52.9 9.73 150	62.0 6.78 155	67.6 4.73 150	71.5 3.35 155	70.7 4.15 155	65.8 7.16 150	52.7 9.81 155	43.9 13.86 150	36.2 13.62 155	53.9 16.45 1826
ALL HOURS	35.2 15.56 1240	37.8 13.69 1128	48.6 12.72 1240	51.0 11.17 1200	61.0 7.85 1240	66.6 5.60 1200	70.9 3.70 1240	70.0 4.62 1240	65.3 7.70 1200	51.7 10.73 1240	43.8 14.40 1200	36.0 13.60 1240	53.2 16.73 14608



5706 RELATIVE HUMIDITY JAN 68

**JAN**  
**MONTH**

73-77

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

03066  
STATION

PERIOD

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	98.7	97.4	90.3	79.4	53.5	16.1	79.4	153
	03	100.0	100.0	100.0	100.0	96.8	89.7	80.6	63.2	18.7	80.7	153
	06	100.0	100.0	100.0	100.0	99.4	92.3	81.9	61.9	26.5	82.1	153
	09	100.0	100.0	100.0	100.0	93.5	87.1	72.9	53.5	18.1	79.0	153
	12	100.0	100.0	95.5	78.1	63.2	43.2	33.5	25.2	7.1	60.2	153
	15	100.0	100.0	80.0	64.5	51.6	38.7	30.3	20.0	7.1	54.5	153
	18	100.0	100.0	100.0	87.1	68.4	57.4	35.5	22.6	10.3	64.0	153
	21	100.0	100.0	99.4	99.4	94.2	81.9	65.2	37.4	10.3	74.5	153
TOTALS		100.0	100.0	96.9	91.0	83.3	72.6	49.9	42.4	14.3	71.8	1240

## RELATIVE HUMIDITY

**03866**  
**STATION**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI****STATION NAME**  
**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

**MONTH**  
**FEB**

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	100.0	100.0	96.5	84.4	68.1	48.9	22.0	78.0	141
	03	100.0	100.0	100.0	100.0	97.9	92.9	81.6	55.3	24.8	81.0	141
	06	100.0	100.0	100.0	100.0	98.6	93.6	81.6	62.4	29.8	82.6	141
	09	100.0	100.0	100.0	99.3	94.3	79.4	53.9	36.9	15.6	73.8	141
	12	100.0	100.0	87.9	63.1	47.5	33.3	24.1	18.4	7.8	53.5	141
	15	100.0	97.9	72.3	47.5	35.5	26.2	20.6	14.9	5.7	47.7	141
	18	100.0	99.3	91.5	68.8	48.9	34.0	21.3	17.0	9.2	55.0	141
	21	100.0	100.0	100.0	99.3	89.4	73.8	54.6	33.3	14.2	72.3	141
TOTALS		100.0	99.7	94.0	84.8	76.1	64.7	50.7	35.9	16.1	68.0	1128



5706 RELATIVE HUMIDITY JAN 68

**STATION**  
**03266**

**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

MAR  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	100.0	98.7	97.4	89.7	82.6	67.7	33.5	83.1	152
	03	100.0	100.0	100.0	98.7	98.1	94.2	88.4	76.1	41.3	85.9	152
	06	100.0	100.0	100.0	99.4	99.4	96.1	87.7	78.1	50.3	87.8	152
	09	100.0	100.0	100.0	96.8	87.1	72.9	61.9	45.8	23.9	74.8	152
	12	100.0	100.0	88.4	74.8	58.1	45.8	31.6	16.1	6.5	57.9	152
	15	100.0	100.0	81.9	65.2	46.5	34.8	21.9	12.9	3.9	51.8	152
	18	100.0	100.0	94.2	76.1	58.7	44.5	32.3	22.6	9.7	59.7	152
	21	100.0	100.0	100.0	97.4	92.9	83.2	71.6	49.0	18.7	77.4	152
TOTALS		100.0	100.0	95.6	88.4	79.8	70.2	59.8	46.0	23.5	72.3	1240

5706 RELATIVE HUMIDITY JAN 68

STATION  
**03866**

**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

**APR**  
**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00	100.0	100.0	100.0	100.0	98.7	96.0	88.0	68.7	29.3	84.3	150
	03	100.0	100.0	100.0	100.0	100.0	98.0	94.7	78.7	39.3	87.9	150
	06	100.0	100.0	100.0	100.0	100.0	98.7	96.0	85.3	51.3	90.4	150
	09	100.0	100.0	100.0	96.7	78.7	56.0	39.3	26.7	10.7	66.8	150
	12	100.0	100.0	90.0	60.7	46.0	27.3	21.3	16.7	8.7	53.1	150
	15	100.0	100.0	80.7	54.7	38.0	28.0	20.0	12.0	6.7	49.8	150
	18	100.0	99.3	95.3	69.3	54.7	36.7	26.0	17.3	10.0	56.8	150
	21	100.0	100.0	100.0	99.3	97.3	90.0	80.0	50.0	16.7	79.4	150
TOTALS		100.0	99.9	95.8	85.1	76.7	66.3	58.2	44.4	21.6	71.1	1200

NAVWEASERVCOM



5706 RELATIVE HUMIDITY JAN 68

**STATION**  
**03866**

**STATION NAME**  
**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

MAY  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	99.4	98.7	97.4	87.7	45.2	89.4	155
	03	100.0	100.0	100.0	100.0	100.0	99.4	99.4	96.1	62.6	92.9	155
	06	100.0	100.0	100.0	100.0	100.0	100.0	98.7	96.1	69.7	94.3	155
	09	100.0	100.0	100.0	98.7	91.6	78.7	58.7	29.0	12.9	72.3	155
	12	100.0	100.0	98.1	87.7	63.9	37.4	18.7	11.0	7.1	58.2	155
	15	100.0	100.0	96.1	78.1	56.1	29.0	20.6	13.5	7.7	55.8	155
	18	100.0	100.0	100.0	91.6	71.0	52.9	30.3	21.9	5.8	62.8	155
	21	100.0	100.0	100.0	100.0	100.0	96.8	91.0	71.6	28.4	85.2	155
TOTALS		100.0	100.0	99.3	94.5	85.3	74.1	64.4	53.4	29.9	76.4	1240

**MONTH**  
**JUN**

5706 RELATIVE HUMIDITY JAN 68

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	100.0	99.3	96.7	84.7	32.7	87.4	150
	03	100.0	100.0	100.0	100.0	100.0	100.0	97.3	89.3	37.3	89.3	150
	06	100.0	100.0	100.0	100.0	100.0	100.0	98.0	90.0	48.0	91.1	150
	09	100.0	100.0	100.0	100.0	94.7	80.0	49.3	18.0	2.7	70.0	150
	12	100.0	100.0	99.3	92.0	66.0	36.7	16.7	4.7	1.3	57.4	150
	15	100.0	100.0	99.3	84.7	55.3	32.7	20.0	9.3	4.0	55.8	150
	18	100.0	100.0	98.7	95.3	74.7	53.3	28.7	15.3	4.7	63.0	150
	21	100.0	100.0	100.0	100.0	100.0	98.7	92.7	69.3	18.0	83.5	150
TOTALS		100.0	100.0	99.7	94.5	84.3	75.1	62.4	47.6	18.6	74.7	1200

NAVWEASERVCOM



5706 RELATIVE HUMIDITY JAN 68

**STATION**  
**03866**

**MERIDIAN, MISSISSIPPI**

73-77

PERIOD

**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	100.0	99.4	95.5	48.4	90.8	155
	03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	59.4	92.4	155
	06	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	58.7	93.2	155
	09	100.0	100.0	100.0	100.0	100.0	91.6	71.0	31.6	5.8	75.7	155
	12	100.0	100.0	100.0	99.4	81.3	49.7	19.4	7.1	.6	61.2	155
	15	100.0	100.0	100.0	94.2	70.3	44.5	26.5	12.9	3.2	60.9	155
	18	100.0	100.0	100.0	98.1	92.9	76.1	52.3	22.6	4.5	70.2	155
	21	100.0	100.0	100.0	100.0	99.4	98.7	96.1	85.2	30.3	86.8	155
TOTALS		100.0	100.0	100.0	99.0	93.0	82.6	70.6	55.8	26.4	78.9	1240

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5706 RELATIVE HUMIDITY JAN 68

03866  
STATION

**MERIDIAN, MISSISSIPPI**

73-77

**DEFINITION**

**AUG**  
**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	100.0	100.0	99.4	94.2	53.5	91.5	155
	03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	63.9	93.1	155
	06	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	65.2	94.0	155
	09	100.0	100.0	100.0	100.0	99.4	97.4	79.4	45.8	9.7	78.7	155
	12	100.0	100.0	100.0	98.7	85.8	55.5	16.1	5.2	1.3	61.5	155
	15	100.0	100.0	100.0	92.9	74.2	40.6	21.3	12.3	6.5	60.9	155
	18	100.0	100.0	100.0	100.0	92.9	75.5	51.0	27.1	14.2	72.0	155
	21	100.0	100.0	100.0	100.0	100.0	99.4	98.1	81.3	34.8	88.4	155
TOTALS		100.0	100.0	100.0	99.0	94.0	83.6	70.7	57.8	31.1	80.0	1240

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5706 RELATIVE HUMIDITY JAN 68

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03866

MERIDIAN, MISSISSIPPI

73-77

PERIOD

**SEP**  
**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	100.0	100.0	98.0	91.3	33.3	86.6	150
	03	100.0	100.0	100.0	100.0	100.0	100.0	99.3	94.0	38.0	89.7	150
	06	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.0	37.3	90.1	150
	09	100.0	100.0	100.0	100.0	99.3	94.7	72.0	46.0	12.0	77.9	150
	12	100.0	100.0	100.0	97.3	80.7	62.0	29.3	14.7	1.3	64.0	150
	15	100.0	100.0	100.0	94.7	73.3	54.0	30.0	15.3	4.7	62.5	150
	18	100.0	100.0	100.0	100.0	96.7	90.0	67.3	36.7	10.7	75.8	150
	21	100.0	100.0	100.0	100.0	100.0	99.3	97.3	84.0	22.7	86.8	150
TOTALS		100.0	100.0	100.0	99.0	93.8	87.5	74.1	59.8	20.0	79.4	1200

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5706 RELATIVE HUMIDITY JAN 68

**MONTH**  
**1967**

73077

MERIDIAN, MISSISSIPPI STATION NAME

03866

PERIOD

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00	100.0	100.0	100.0	100.0	100.0	98.1	95.5	81.3	23.9	86.2	159
	03	100.0	100.0	100.0	100.0	100.0	99.4	97.4	81.3	29.0	86.7	159
	06	100.0	100.0	100.0	100.0	100.0	99.4	97.4	84.5	32.9	87.2	159
	09	100.0	100.0	100.0	99.4	96.8	75.5	52.3	31.6	12.3	72.7	159
	12	100.0	100.0	97.4	73.5	47.1	28.4	18.1	10.3	5.8	53.5	159
	15	100.0	100.0	91.6	59.4	39.4	22.6	16.1	8.4	1.9	49.4	159
	18	100.0	100.0	100.0	100.0	97.4	86.5	52.3	27.1	3.9	72.0	159
	21	100.0	100.0	100.0	100.0	100.0	99.4	91.6	69.7	21.9	84.5	159
TOTALS		100.0	100.0	98.6	91.5	85.1	76.2	65.1	49.3	16.5	74.0	1240

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5706 RELATIVE HUMIDITY JAN 68

DEC  
MONTH

73-77

**MERIDIAN, MISSISSIPPI**

99830

PERIOD

[illegible]

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00	100.0	100.0	100.0	97.4	95.5	91.6	80.0	61.9	24.5	80.7	155
	03	100.0	100.0	100.0	99.4	97.4	91.6	84.5	63.9	29.0	82.2	152
	06	100.0	100.0	100.0	100.0	98.1	96.1	85.2	69.7	29.7	83.2	152
	09	100.0	100.0	100.0	99.4	94.8	84.5	66.5	43.2	18.7	76.8	159
	12	100.0	100.0	95.5	76.1	56.8	42.6	32.9	19.4	6.5	58.6	152
	15	100.0	98.7	82.6	61.9	47.7	35.5	25.8	15.5	7.1	53.2	152
	18	100.0	100.0	100.0	94.8	81.9	63.2	44.5	24.5	13.5	68.2	155
	21	100.0	100.0	100.0	98.1	94.2	83.2	68.4	45.8	25.2	77.3	152



# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

03866 STATION NAME MERIDIAN, MISSISSIPPI PERIOD 71-77 ALL MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	96.9	91.0	83.3	72.6	59.9	42.4	14.3	71.8	1240
FEB		100.0	99.7	94.0	84.8	76.1	64.7	50.7	35.9	16.1	68.0	1128
MAR		100.0	100.0	95.6	88.4	79.8	70.2	59.8	46.0	23.5	72.3	1240
APR		100.0	99.9	95.8	85.1	76.7	66.3	58.2	44.4	21.6	71.1	1200
MAY		100.0	100.0	99.3	94.5	85.3	74.1	64.4	53.4	29.9	76.4	1240
JUN		100.0	100.0	99.7	96.5	86.3	75.1	62.4	47.6	18.6	74.7	1200
JUL		100.0	100.0	100.0	99.0	93.0	82.6	70.6	55.8	26.4	78.9	1240
AUG		100.0	100.0	100.0	99.0	94.0	83.6	70.7	57.8	31.1	80.0	1240
SEP		100.0	100.0	100.0	99.0	93.8	87.5	74.1	59.8	20.0	79.4	1200
OCT		100.0	100.0	98.6	91.5	85.1	76.2	65.1	49.3	16.5	74.0	1240
NOV		100.0	99.8	95.8	90.5	85.6	76.2	64.9	49.9	13.9	73.6	1200
DEC		100.0	99.8	97.3	90.9	83.3	73.5	61.0	43.0	19.3	72.5	1240
TOTALS		100.0	99.9	97.8	92.5	85.2	75.2	63.5	48.8	20.9	74.4	14608

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

HERIDIAN, MISSISSIPPI

JAN 1973 - DEC 1977

JANUARY

ALL

03866  
STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.7	5.2	3.9	8.6	9.4	8.0	6.1	8.6	32.5	124.0	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
**MERIDIAN, MISSISSIPPI**

YEARS  
**JAN 1973 - DEC 1977**

MONTH  
**FEBRUARY**

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	14.3		14.3	15.2	71.4	39.4	13.2	6.1	3.0	7	.6
72 TO 76		2.5		13.8	21.2	21.3	6.3	5.0	3.8	33	2.9
67 TO 71		2.7	2.7	13.6	47.5	15.3	9.1	3.6	10.9	80	7.1
62 TO 66	3.6	4.3	5.0	13.7	38.2	9.9	11.8	6.2	16.8	110	9.8
57 TO 61	9.3	4.1	2.4	13.0	23.0	10.6	12.2	7.3	25.2	161	14.3
52 TO 56	12.2	8.6	4.0	9.3	13.2	7.9	13.9	7.9	23.8	123	10.9
47 TO 51	9.3	3.1	3.3	3.9	3.9	2.4	10.2	21.3	32.3	151	13.4
42 TO 46	22.1	2.7	3.3	1.8	1.8	2.7	4.4	14.2	45.1	127	11.3
37 TO 41	16.3	4.1	3.1	2.0	2.0	2.0	7.1	14.3	51.0	113	10.0
32 TO 36	29.0	4.3	2.2	1.1	1.1	1.1	1.1	7.5	53.8	98	8.7
27 TO 31		7.4						3.7	88.9	93	8.2
22 TO 26									100.0	27	2.4
17 TO 21										3	.4
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.1	4.2	3.5	8.2	13.5	8.6	9.0	9.4	29.6	1126	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
**HERIDIAN, MISSISSIPPI**

YEARS  
**JAN 1973 - DEC 1977**

MONTH  
**MARCH**

ALL  
HOURS (L.S.T.)

STATION  
**03866**

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					100.0					2	.2
82 TO 86					50.0	37.5	12.5			8	.6
77 TO 81			5.4	5.4	33.9	41.1	10.7		3.6	56	4.5
72 TO 76	1.6	1.6	4.7	14.0	38.0	16.3	13.2	3.9	7.0	129	10.4
67 TO 71	6.9	.6	8.0	19.4	33.1	8.6	6.0	5.1	10.3	173	14.1
62 TO 66	3.2	4.6	12.9	18.4	25.3	8.8	6.5	5.1	15.2	217	17.5
57 TO 61	6.5	4.2	10.1	16.1	10.7	2.4	8.3	9.5	32.1	168	13.5
52 TO 56	12.5	6.5	11.9	8.3	5.4		10.7	11.3	33.3	168	13.5
47 TO 51	16.5	3.1	8.2	6.2	1.0		7.2	12.4	43.4	97	7.8
42 TO 46	29.4	4.7	4.7	1.2	2.4		3.9	3.5	48.2	85	6.9
37 TO 41	19.8	10.5	3.9	2.6			3.9	2.6	60.5	76	6.1
32 TO 36	12.2	10.2		2.0	2.0		6.1	4.1	63.3	49	4.0
27 TO 31									100.0	9	.7
22 TO 26									100.0	1	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.0	4.1	8.3	11.8	17.6	6.9	8.2	6.4	27.7	1240	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
MERIDIAN, MISSISSIPPI

YEARS  
JAN 1973 - DEC 1977

MONTH  
APRIL

HOURS (L.S.T.)  
ALL

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86			13.0	39.1	4.3	26.1	8.7	4.3	4.3	23	1.9
77 TO 81		2.4	4.0	21.8	30.6	10.5	12.1	1.6	16.9	124	10.3
72 TO 76		3.4	3.4	19.5	30.2	12.1	8.7	3.4	13.4	149	12.4
67 TO 71		3.3	7.7	18.1	20.3	12.1	11.0	3.3	14.8	182	15.2
62 TO 66		9.5	6.5	16.6	10.6	2.3	3.3	9.5	28.1	199	16.6
57 TO 61		4.3	12.4	9.9	3.7	2.3	8.1	9.3	36.0	161	13.4
52 TO 56		3.8	3.6	2.9	2.9	2.2	3.8	10.1	31.1	139	11.6
47 TO 51		3.6	8.3	2.4			10.7	8.3	60.7	84	7.0
42 TO 46		4.3		1.4			2.9	1.4	77.1	70	5.8
37 TO 41		2.0					3.9	3.9	76.3	31	4.3
32 TO 36								6.7	86.7	15	1.3
27 TO 31									100.0	3	.3
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	4.6	6.0	12.8	12.7	5.9	8.0	6.8	34.3	1200	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
**HERIDIAN, MISSISSIPPI**

STATION  
**03866**

YEARS  
**JAN 1973 - DEC 1977**

MONTH  
**MAY**

HOURS (L.S.T.)  
**ALL**

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.7	3.1	5.0	7.7	10.6	8.1	7.6	5.4	45.9	124.0	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
**MERIDIAN, MISSISSIPPI**

YEARS  
**JAN 1973 - DEC 1977**

MONTH  
**JUNE**

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106						50.0	50.0			2	.2
97 TO 101			3.2		9.7	25.8	32.3	19.4	6.3	31	2.6
92 TO 96	3.2	3.1	10.0	6.2	16.9	16.9	18.3	4.6	21.3	130	10.8
87 TO 91	2.3	2.3	10.2	7.6	10.7	8.1	17.3	11.7	24.4	197	16.4
82 TO 86	7.6	2.3	10.2	7.6	10.7	8.1	17.3	11.7	24.4	197	16.4
77 TO 81	8.9	5.1	8.4	9.3	9.8	8.4	10.7	6.3	32.7	214	17.8
72 TO 76	6.7	1.2	4.3	5.9	5.1	3.3	7.3	1.6	64.3	253	21.3
67 TO 71	4.3	2.7	7.3	3.2	.9	2.3	.3	1.4	77.3	220	18.3
62 TO 66	7.9	1.0	4.0	2.0				1.0	84.2	101	8.4
57 TO 61	20.0	2.3							77.3	40	3.3
52 TO 56									100.0	7	.6
47 TO 51									100.0	3	.3
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.8	2.6	6.9	5.6	6.8	6.6	9.3	4.8	50.7	2200	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

HERIDIAN, MISSISSIPPI

JAN 1973 - DEC 1977

JULY

ALL

HOURS (L.S.T.)

YEARS

MONTH

STATION NAME

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	25.0	6.3	4.2	50.0	10.4	14.6	25.0	18.8	10.4	4	.3
92 TO 96	6.3	3.8	9.8	8.2	5.4	15.2	20.1	9.2	20.1	48	3.9
87 TO 91	8.2	2.9	7.3	3.9	11.2	9.3	18.3	10.7	28.3	184	14.8
82 TO 86	7.8	2.9	7.3	3.9	11.2	9.3	18.3	10.7	28.3	209	16.3
77 TO 81	9.3	1.6	7.3	8.6	5.9	9.3	11.4	3.2	43.2	220	17.7
72 TO 76	2.3	1.0	4.3	2.3	3.3	5.0	5.3	1.9	74.8	400	32.3
67 TO 71	2.0	.7	1.3	.7	6.7	2.0	5.4		83.2	149	12.0
62 TO 66	3.6								96.4	28	2.3
57 TO 61									100.0	2	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.6	1.9	5.7	4.7	5.7	7.9	11.4	4.9	52.2	1240	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME  
MERIDIAN, MISSISSIPPI

JAN 1973 - DEC 1977

MONTH  
AUGUST

ALL

HOURS (L.S.T.)

STATION

03866

STATION

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.0	3.6	6.6	4.8	7.7	4.0	3.5	2.4	60.5	1240	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME  
**HERIDIAN, MISSISSIPPI**

STATION  
**03066**

YEARS  
**JAN 1973 - DEC 1977**

MONTH  
**SEPTEMBER**

ALL

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	11.1	22.2	11.1	33.3	11.1	11.1	11.1	11.1	11.1	9	.8
87 TO 91	13.3	24.4	8.9	13.3	8.9	13.3	13.3	4.4	13.3	43	3.8
82 TO 86	10.5	17.3	6.8	16.3	7.3	12.0	12.0	7.3	16.5	133	11.1
77 TO 81	10.2	16.6	7.8	7.8	5.4	8.3	8.3	4.9	32.2	205	17.1
72 TO 76	8.9	16.6	5.1	5.4	2.9	3.8	3.8	3.8	49.8	313	26.1
67 TO 71	15.6	8.3	3.4	2.5	.4	2.1	2.1	3.4	57.0	237	19.8
62 TO 66	15.3	9.2	4.6		.8			10.7	59.5	131	10.9
57 TO 61	27.5	7.5						13.8	51.3	80	6.7
52 TO 56	20.8	8.3						4.2	66.7	24	2.0
47 TO 51	15.8	10.5							73.7	19	1.6
42 TO 46	25.0								75.0	4	.3
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.7	6.8	11.9	4.5	5.6	3.0	4.8	5.7	44.9	1200	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

HERIDIAN, MISSISSIPPI

JAN 1973 - DEC 1977

OCTOBER

ALL

03866  
STATION

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.9	2.9	23.5	26.5	20.6	5.9	50.0		8.8	2	.2
77 TO 81	11.5	4.2	12.5	16.7	16.7	9.4	5.9	3.1	14.6	34	2.7
72 TO 76	12.4	6.6	10.7	13.2	12.4	5.0	11.5	4.1	24.0	96	7.7
67 TO 71	14.7	5.8	11.0	9.4	2.6	4.2	5.2	7.9	39.3	121	9.8
62 TO 66	14.2	4.7	6.9	7.9	2.6	2.6	4.7	6.8	47.4	191	15.4
57 TO 61	19.1	4.1	7.7	3.1	2.1	.5	3.6	7.2	32.6	190	15.3
52 TO 56	25.9	4.3	3.6	1.4	1.4		1.4	7.9	34.0	139	11.2
47 TO 51	13.4	3.6	3.6	.9	.9		5.4	13.4	38.9	112	9.0
42 TO 46	12.1	3.3	3.3			1.1	3.3	5.3	71.4	91	7.3
37 TO 41	8.6	5.2	8.6			1.7	1.7	1.7	72.4	56	4.7
32 TO 36								18.2	81.8	11	.9
27 TO 31									100.0	1	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	15.1	4.6	8.3	6.7	4.4	2.7	3.3	6.8	46.0	1240	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME

03066

STATION NAME

JAN 1973 - DEC 1977

NOVEMBER

ALL

HOURS (L.S.T.)

YEARS

MONTH

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.3	4.4	5.8	11.0	10.5	4.5	6.8	9.1	35.7	1200	100.0

NAYWEASERVCOM



## WIND DIRECTION

**MERIDIAN, MISSISSIPPI**

JAN 1973 - DEC 1977

DECEMBER

**ALL**

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.0	2.4	7.6	9.4	9.1	5.7	9.9	10.6	34.2	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION NAME **03866 MERIDIAN, MISSISSIPPI** STATION **03866** YEARS **JAN 1973 - DEC 1977** MONTH **ALL** HOURS (L.S.T.) **ALL**

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	16.7	3.7	7.5	33.3	12.1	16.7	33.3	15.9	11.2	6	.0
92 TO 96	4.7	4.7	12.0	5.6	12.1	14.0	25.2	15.9	11.2	107	.7
87 TO 91	5.9	4.7	12.0	8.6	14.8	14.0	14.5	6.1	19.5	359	3.8
82 TO 86	7.6	3.9	11.1	7.7	12.5	9.8	12.7	7.7	26.9	958	6.6
77 TO 81	7.8	4.0	8.7	9.7	13.4	10.1	10.4	3.6	30.3	1332	9.1
72 TO 76	5.1	2.3	6.6	8.4	11.3	7.2	6.5	3.1	49.6	2069	14.2
67 TO 71	7.3	3.4	5.5	9.4	12.7	6.6	5.4	4.0	45.8	1934	13.2
62 TO 66	7.8	3.8	6.6	11.4	14.1	5.9	5.3	5.4	39.8	1600	11.0
57 TO 61	11.5	3.7	7.6	9.8	9.5	4.0	6.7	7.7	39.5	1310	9.0
52 TO 56	14.8	4.5	6.1	6.5	6.1	5.3	7.3	8.6	38.8	1046	7.2
47 TO 51	13.4	5.2	6.0	8.3	4.1	2.7	8.3	11.7	40.3	930	6.4
42 TO 46	19.3	4.4	6.1	3.4	2.9	1.6	7.4	9.7	45.3	824	5.6
37 TO 41	17.2	4.3	4.3	2.6	2.4	2.5	6.1	11.0	47.6	720	4.9
32 TO 36	17.6	5.1	3.0	3.4	1.5	1.5	6.3	13.3	48.3	528	3.6
27 TO 31	17.5	3.9	1.4	1.4	1.2	1.6	3.5	8.1	61.5	434	3.0
22 TO 26	13.5	4.9	.5	1.6		.5	2.7	7.6	68.6	185	1.3
17 TO 21	25.5	6.4					4.3	4.3	59.6	47	.3
12 TO 16	46.7	6.7						6.7	40.0	15	.1
7 TO 11	66.7								33.3	3	.0
2 TO 6									100.0	1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.4	3.9	6.6	8.0	9.6	6.0	7.5	6.7	41.3	14608	100.0

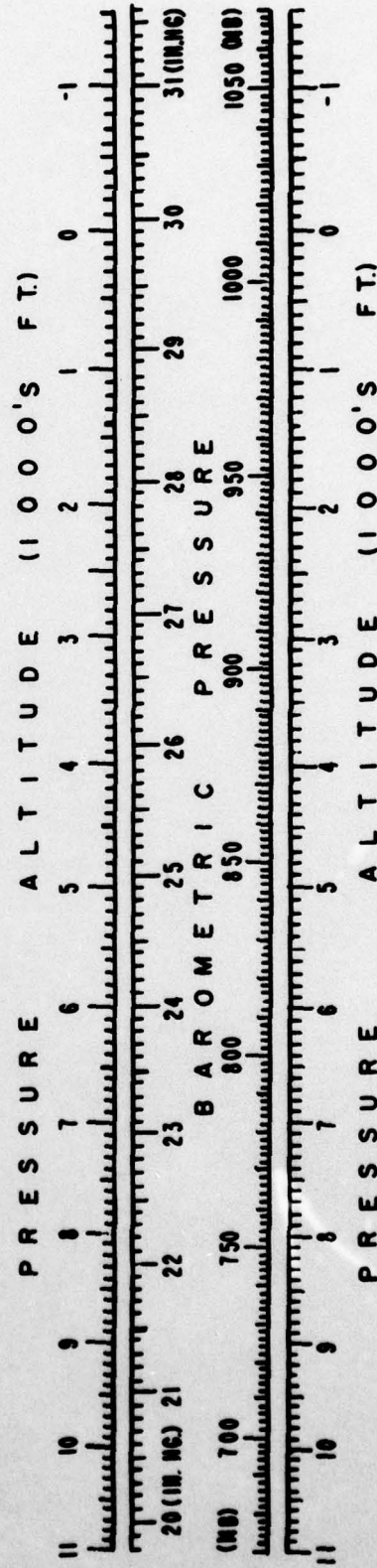


## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



## STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

**WEAVERS**

[illegible]



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

STATION NAME  
MERIDIAN, MISSISSIPPI

STATION  
03866

YEARS

MRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1021.4 6.073 155	1019.9 6.108 141	1016.4 5.630 155	1017.9 5.324 150	1014.6 4.227 155	1015.8 2.856 150	1017.5 2.115 155	1016.5 3.137 150	1019.6 4.443 155	1020.4 5.204 150	1020.4 6.423 155	1018.1 5.152 1826
03	MEAN S. D. TOTAL OBS	1021.3 6.206 155	1019.6 6.140 141	1016.0 5.724 155	1017.6 5.399 150	1014.3 4.273 155	1015.5 2.793 150	1017.1 2.175 155	1016.2 3.189 150	1019.4 4.579 155	1020.3 5.328 150	1020.3 6.438 155	1017.8 5.246 1826
06	MEAN S. D. TOTAL OBS	1021.6 6.440 155	1020.2 6.258 141	1017.0 5.645 155	1018.6 5.722 150	1015.3 4.417 155	1016.6 2.837 150	1018.2 2.210 155	1017.1 3.343 150	1020.4 4.759 155	1020.9 5.492 150	1020.6 6.545 155	1018.7 5.279 1826
09	MEAN S. D. TOTAL OBS	1023.0 6.764 155	1021.6 6.317 141	1018.2 5.722 155	1019.6 5.938 150	1016.1 4.452 155	1017.2 2.909 150	1019.0 2.244 155	1017.9 3.419 150	1021.4 4.921 155	1022.1 5.565 150	1021.9 6.537 155	1019.7 5.449 1826
12	MEAN S. D. TOTAL OBS	1021.8 6.741 155	1020.9 6.091 141	1017.3 5.609 155	1018.7 5.728 150	1015.3 4.391 155	1016.6 2.895 150	1018.2 2.223 155	1017.1 3.322 150	1020.3 4.657 155	1020.6 5.466 150	1020.6 6.476 155	1018.7 5.283 1826
15	MEAN S. D. TOTAL OBS	1020.3 6.533 155	1018.7 6.069 141	1015.2 5.528 155	1017.0 5.554 150	1013.8 4.263 155	1015.1 2.782 150	1016.4 2.140 155	1015.4 3.213 150	1018.6 4.423 155	1019.1 5.488 150	1019.2 6.333 155	1017.0 5.182 1826
18	MEAN S. D. TOTAL OBS	1020.8 6.359 155	1018.9 6.052 141	1015.5 5.534 155	1016.7 5.387 150	1013.3 4.203 155	1014.7 2.818 150	1016.4 2.099 155	1015.6 3.119 150	1019.0 4.296 155	1019.7 5.515 150	1019.7 6.237 155	1017.1 5.244 1826
21	MEAN S. D. TOTAL OBS	1021.5 6.205 155	1019.8 6.154 141	1016.2 5.544 155	1017.9 5.328 150	1014.5 4.158 155	1015.8 2.877 150	1017.7 2.065 155	1016.8 3.134 150	1019.9 4.315 155	1020.5 5.452 150	1020.5 6.209 155	1018.2 5.168 1826
ALL HOURS	MEAN S. D. TOTAL OBS	1021.5 6.443 1240	1019.9 6.196 1128	1016.5 5.684 1240	1018.0 5.609 1200	1014.7 4.369 1240	1015.9 2.945 1200	1017.6 2.311 1240	1016.6 3.317 1200	1019.6 4.614 1240	1020.4 5.485 1200	1020.4 6.426 1240	1018.2 5.312 16608